Section Six

Trustees, Administration, Faculty

Trustees, Administration, Faculty
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Ronald K. Linde, Vice Chairman
Thomas F. Rosenbaum, President
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Dean W. Currie
Vice President for Business and Finance
Charles Elachi
Vice President and Director, Jet Propulsion Laboratory
Diana Jergovic
Vice President for Strategic Implementation
Brian K. Lee
Vice President for Development and Institute Relations
Sharon E. Patterson
Associate Vice President for Finance and Treasurer
Scott Richland
Chief Investment Officer
Joseph E. Shepherd
Vice President for Student Affairs
Victoria D. Stratman
General Counsel
Mary L. Webster
Secretary

Peggy L. Cherng (2012)
Co-Chairman
Panda Restaurant Group
Robert B. Chess (2006)
Chairman
Nektar Therapeutics
David Dreier (2013)
Lounette M. Dyer (1998)
Joshua S. Friedman (2012)
Co-founder, Co-Chairman and Co-Chief Executive Officer
Canyon Partners, LLC
William T. Gross (1994)
Founder and Chief Executive Officer
Idealab
Narendra K. Gupta (2011)
Co-Founder and Managing Director
Nexus Venture Partners
Maria D. Hummer-Tuttle (2012)
President
Hummer Tuttle Foundation
Robert T. Jenkins (2005)
G. Bradford Jones (2014)
Founding Partner
Redpoint Ventures
Peter D. Kaufman (2008)
Chairman and Chief Executive Officer
Glenair, Inc.
Louise Kirkbride (1995)
Board Member
State of California Contractors State License Board
Walter G. Kortschak (2012)
Senior Advisor and Former Managing Partner
Summit Partners, L.P.
Jon B. Kutler (2005)
Chairman and Chief Executive Officer
Admiralty Partners, Inc.
David Li Lee (2000)
Managing General Partner
Clarity Partners, L.P.
York Liao (1997)
Managing Director
Winbridge Company Ltd.
Alexander Lidow (1998)
Chief Executive Officer
EPC Corporation
Andrew N. Liveris (2013)
Chairman and Chief Executive Officer
The Dow Chemical Company
Shirley M. Malcom (1999)
Director, Education and Human Resources Programs
American Association for the Advancement of Science

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(with date of first election)

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President
Walt Disney Studios Motion Picture Production
Barbara M. Barrett (2014)
Brigitte M. Bren (2009)
Attorney
John E. Bryson (2014)
John S. Chen (2008)
Executive Chairman of the Board and Chief Executive Officer
Blackberry, Inc.
Wenchi Chen (2012)
President and Chief Executive Officer
VIA Technologies

Board of Trustees
Deborah D. McWhinney (2007)
Former Chief Executive Officer
Citi Enterprise Payments
Citi Bank
Richard Merkin, M.D. (2009)
Founder and Chief Executive Officer
Heritage Provider Network
Kenneth G. Moore (2014)
Director of Bay Area Portfolio
and Trustee
Gordon and Betty Moore Foundation
Philip M. Neches (1995)
Chairman
Foundation Ventures, LLC
Executive Chairman
Ciena Corporation
Peter F. Norton (2006)
President
Norton Family Office
Stephen R. Onderdonk (1986)
President and Chief Executive Officer
(Retired)
Econolite Control Products, Inc.
Stephen A. Ross (1993)
Franco Modigliani Professor of
Finance and Economics
Massachusetts Institute of Technology,
and Managing Director
RJA, LLC
Richard H. Scheller (2014)
Chairman
The TCW Group, Inc.
Donald W. Tang (2005)
CEO
CSIP Group
Kevin M. Taweeel (2012)
Chairman
Aurion Corporation
David W. Thompson (2012)
Chairman of the Board, President, and
Chief Executive Officer
Orbital Sciences Corporation
Richmond A. Wolf (2011)
Vice President
Capital World Investors

Senior Trustees
(with date of first election and date of
election as Senior Trustee)
Managing Director
Coastview Capital
Senior Partner
Sentinel HS Group, L.L.C.

Lynn A. Booth (2012)
Milton M. Chang (2005, 2014)
Managing Director
Incubic Venture Capital
Founding Partner
Mohr Davidow Ventures
President Emeritus
California Institute of Technology
B. Kipling Hagopian (2012, 2014)
Managing Partner
Apple Oaks Partners, L.L.C.
Frederick J. Hameetman (2006, 2012)
Chairman
Cal-American
Shirley M. Hufstedler (1975, 1997)
Senior Of Counsel
Morrison & Foerster
Professor, Lyndon B. Johnson
Centennial Chair in National Policy
The University of Texas at Austin
Kent Kresa (1994, 2010)
Chairman Emeritus
Northrop Grumman Corporation
Independent Investor
Chair, The Ronald and Maxine
Linde Foundation
A. Michael Lipper (2005, 2007)
President and Chief Executive Officer
Lipper Advisory Services, Inc.
Ronald L. Olson (1998, 2014)
Senior Partner
Munger, Tolles & Olsen
Chairman and President
Roll Global, LLC
Chairman
Rising Realty Partners
Founder and Former Chief Executive
Officer
Trimble Navigation Ltd.
Lewis W. van Amerongen (2004, 2012)
LvA Enterprises, Inc.
Walter L. Weisman (1988, 2007)
Founder and Chief Executive Officer
American Medical International, Inc.
Woolsey Partners, L.L.C.
Life Members
(with date of first election and date of election as Life Trustee)

George L. Argyros (1992, 2008)
Chairman and Chief Executive Officer
Arnel and Affiliates

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Bechtel Group, Inc.

Chairman of the Board
The Irvine Company

Eli Broad (1993, 2007)
Founder
The Eli and Edythe Broad Foundation

President Emeritus
Counselor
Center for Strategic and International Studies (CSIS)

Walter Burke (1975, 2010)
Treasurer
Sherman Fairchild Foundation, Inc.

Jewel Plummer Cobb (1990, 2005)
President Emerita
California State University, Fullerton

Harry M. Conger (1985, 2007)
Chairman & Chief Executive Officer, Emeritus
Homestake Mining Company

Richard P. Cooley (1973, 2007)
Retired Chairman
Seafirst Bank

Camilla C. Frost (1977, 2007)
Chairman and Chief Executive Officer, Emeritus
Ionics, Inc.

Philip M. Hawley (1975, 1997)
Chairman
P. M. Hawley, Inc.

Chairman Emeritus
Intel Corporation

Chairman and Chief Executive Officer, Emeritus
Getty Oil Company

Richard M. Rosenberg (1989, 2007)
Chairman and Chief Executive Officer (Retired)
Bank of America Corporation

Vice Chairman (Retired)
General Motors Corporation

Mary L. Scantlon (1974, 1990)
Nonprofit Consultant

Dennis Stanfill (1976, 1999)
Private Investor

Senior Vice President for Public Policy (Retired)
Monsanto Company

Honorary Life Member

Betty I. Moore
Cofounder
Gordon and Betty Moore Foundation

Standing Committees

Executive Committee—D. L. Lee*, Chair;
J. S. Friedman*, S. M. Hufstedler, B. R. Inman, K. Kresa, J. B. Kutler*, A.
Trimble*, W. L. Weisman, G. E. Wilson; Consulting Members: G. E. Moore, B. M.
Richland, E. M. Stolper, V. D. Stratman

Audit and Compliance Committee—R.
C. Bonner, Chair; P. M. Neches, Vice Chair; L. Kirkbride, D. L. Lee*,
D. W. Thompson, W. L. Weisman, S. H. Woolsey; Advisory Members: M. W.
T. Lum, S. E. Patterson, S. L. Proia, S. H. Richland, T. F. Rosenbaum, E. M. Stolper,
V. D. Stratman

Conflict Review Subcommittee—R.
C. Bonner, Chair ex officio; R. B. Chess,
J. B. Kutler, R. K. Linde, P. M. Neches,
P. Norton, S. R. Onderdonk; Advisory Member: V. D. Stratman

Buildings and Grounds Committee—N.
C. Rising, Chair; R. T. Jenkins, Vice Chair;

Board of Trustees


Executive Compensation Committee—R. K. Linde, Chair; A. Lidow, Vice Chair; D. L. Lee*, P. M. Neches, W. L. Weisman; Advisory Members: J. M. McCollin, T. F. Rosenbaum


Technology Transfer Committee—R. B. Chess, Chair; R. A. Wolf, Vice Chair;

* ex officio member

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President

Edward M. Stolper
Provost

Dean W. Currie
Vice President for Business and Finance
John O. Dabiri
Dean of Students
Hall P. Daily
Director of Government Relations
Charles Elachi
Vice President and Director, Jet Propulsion Laboratory
Richard E. Fagen
Chief Information Officer
Morteza Gharib
Vice Provost
Richard F. Flagan
Chair of the Faculty
Diana Jergovic
Vice President for Strategy Implementation
Brian K. Lee
Vice President for Development and Institute Relations
Julia McCallin
Associate Vice President for Human Resources

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*Associate Vice President for Finance and Treasurer*

Douglas C. Rees  
*Dean of Graduate Studies*

Scott Richland  
*Chief Investment Officer*

Joseph E. Shepherd  
*Vice President for Student Affairs*

Victoria D. Stratman  
*General Counsel*

Mary L. Webster  
*Secretary, Board of Trustees*

Cindy A. Weinstein  
*Vice Provost*

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*Biology*

Jacqueline K. Barton  
*Chemistry and Chemical Engineering*

Fiona A. Harrison  
*Physics, Mathematics and Astronomy*

Ares J. Rosakis  
*Engineering and Applied Science*

John P. Grotzinger  
*Geological and Planetary Sciences*

Jean-Laurent Rosenthal  
*Humanities and Social Sciences*

**Administrative Committees**

**Animal Care and Use** [fills the role of Caltech’s Institutional Animal Care and Use Committee—IACUC] (Reports to the Vice Provost for Research)—H. A. Lester, chair, R. A. Andersen, vice chair; J. Baer*, J. Brackman, O. Caglar* (alternate), D. C. Chan, C. M. d’Apuzzo*, P. Dervan (alternate), K. Gilbert (alternate) L. C. Hsieh-Wilson, K. Lencioni* (alternate), D. J. Mayo*, C. Scislowicz*, C. Zuffada*


**Environmental Health and Safety** (Reports to the President)—E. M. Stolper, *Chair*, J. W. Cowell*, D. W. Currie, A. I. Sargent, C. Scislowicz*


Institute Art (Reports to the Assistant Vice President for Campus and Community Relations)—P. Perona, Chair; A. Boyle, J. Buchwald, F. E. C. Culick, H. P. Daily, G. Gage, C. Klein†, T. Knutson‡, D. Kremers, T. Schneider, C. S. Smith, C. Theodoris‡ (alternate), L. Yeung†


Radiation Safety (Reports to the Vice President for Business and Finance)—D. S. Burnett, Chair; B. Filippone, H. Issaian, W. L. Johnson, A. Kumagai, C. Scislowicz*, S. Shan

Sponsored Research (Reports to the Provost)—B. V. McKoy, Chair; P. M. Bellan, T. H. Heaton, J. O. Ledyard, R. P. Seligman*, N. C. Yeh


* ex officio member
† representing graduate students
‡ representing undergraduate students
§ representing postdoctoral scholars

FACULTY OFFICERS AND COMMITTEES 2015–16

Officers
Chair: R. C. Flagan
Vice Chair: M. B. Kennedy
Secretary: K. L. Haugen

Faculty Board
K. Bhattacharya, 2017
G. A. Blake, 2018
W. M. Clemons, 2018
M. Desbrun, 2018
S. G. Djorgovski, 2017
B. W. Filippone, 2017
S. A. Hajjimiri, 2018
A. P. Ingersoll, 2017
H. A. Lester, 2017
E. Mantovan, 2016
T. F. Miller, 2016
M. Ortiz, 2016
M. Spiropulu, 2016
A. Stathopoulos, 2017
P. W. Sternberg, 2016
J. A. Tropp, 2018
P. O. Wennberg, 2018
L. Yariv, 2016

Ex Officio:
J. K. Barton
J. P. Grotzinger
F. A. Harrison
S. L. Mayo
D. C. Rees
A. J. Rosakis
T. F. Rosenbaum
J. -L. Rosenthal
J. E. Shepherd
E. M. Stolper

Steering
R. C. Flagan, Chair
K. Bhattacharya
M. Gharib
K. L. Haugen
A. P. Ingersoll
M. B. Kennedy
T. F. Miller
P. W. Sternberg
E. M. Stolper
C.A. Weinstein

Faculty Officers and Committees
Academic Freedom and Tenure
H. A. Lester, Chair
K. A. Farley, 2017
L. Hillenbrand, 2017
R. M. Murray, 2017
D. B. Rutledge, 2016
D. A. Tirrell, 2016

Academic Policies
C. R. Hitchcock, Chair
B. Hassibi, 2018
M. B. Kennedy, 2017
J. Pine, 2017
A. L. Sessions, 2017
M. Spiropulu, 2016

Athletics and Physical Education
T. K. Dennison, Chair
B. W. Filiponne, 2017
M. R. Hoffmann, 2017
J. L. Kirschvink, 2016
B. Mitchell*
A. G. Siapas, 2018
B. M. Stoltz, 2018
J. Troper, 2016
J. Whitney*

Convocations
W. C. Brown, Chair
M. B. Kennedy*
D. Prober, 2016
D. C. Rees*
P. Schroeder, 2016
L. Yariv, 2016
N. C. Yeh, 2017

Core Curriculum Steering
J. F. Hall, Chair
M. Flach, 2017
P. T. Hoffman, 2017
M. L. Hunt, 2018
C. Jurca, 2017
M. N. Morley*
M. Okumura, 2017
R. B. Patterson, 2018
B. M. Stoltz, 2017
J. A. Tropp, 2016
K. G. Zinn, 2016

Curriculum
A. J. Weinstein, Chair
R. W. Clayton, 2018

K. Gilmartin, 2017
G. J. Jensen, 2017
M. N. Morley*
E. S. Phinney, 2016
D. C. Rees, 2017
P. Schroeder, 2017

Exchange Programs and Study Abroad (CEPSA)
H. B. Newman, Chair
T. Agapie, 2018
J. P. Ampuero Saenz, 2018
M. Bronner, 2017
M. Desbrun, 2016
A. Emami, 2017
J. R. Goodstein (non-voting)
M. N. Morley*
J. P. O’Doherty, 2016
L. Stolper*
A. F. Thompson, 2018

Foreign Students and Scholars
Z. G. Wang, Chair
D. Asimaki, 2018
S. Bordoni, 2016
G. W. Hallinan, 2018
A. Hoelz, 2016
A. Rangel, 2017
A. G. Siapas, 2017
I. Smith*

Freshman Admissions
J. Stock, Chair
M. Aschbacher, 2016
P. D. Asimow, 2017
J. L. Beauchamp, 2017
J. Cvitanic, 2016
D. Gilmore, 2018
N. H. Katz, 2017
K.G. Libbrecht, 2017
S. R. Quartz, 2016
J. H. Schwarz, 2016
S. Shimojo, 2017
D. J. Stevenson, 2018
C. M. Umans, 2018
J. Whitney*

Graduate Studies
C. Umans, Chair*
J. E. Andrade*
R. W. Clayton*
W. M. Clemons*
A. Emami*

Trustees, Administration, Faculty
B. Fultz
K. P. Giapis*
T. B. Graber*
B. A. Hay*
L. Hillenbrand*
Y. T. Hou*
B. J. McKeon*
M. Meister*
R. M. Murray*
M. Okumura*
O. J. Painter
F. C. Porter*
D. C. Rees*
M. S. Shum*
A. G. Siapas*
A. F. Thompson*
A. C. Weirman
*ex officio member

Health
C. Yang, Chair
C. C. Ahn, 2016
K. Austin*
F. Eberhardt, 2017
S. Golwala, 2018
H. A. Lester, 2016
S. C. Miller*
B. Mitchell*
N. A. Pierce, 2016
D. C. Rees*

Institute Programs
J. R. Greer, Chair
B. Brophy*
C. J. Hunter, 2016
A. P. Ingersoll, 2016
J. M. Jackson, 2016
B. K. Lee*
C. D. Ott, 2017
Z. G. Wang, 2018

Library
P.W. Sternberg, Chair
K. Antelman*
B. L. Ehlinmann, 2018
T. B. Graber, 2018
A. N. Kapustin, 2016
G. W. Pigman, 2016
S. E. Reisman, 2017
G. Rossman, 2018
K. C. Schwab, 2018
V. C. Tsai, 2017

Membership and Bylaws
M. B. Kennedy, Chair
K. L. Haugen*
K. C. Border, 2016
M. Bronner, 2016
N. S. Lewis, 2016
E. Mantovani, 2016
R. M. Murray, 2016

Nominating
A. P. Ingersoll, Chair
K. Bhattacharya, 2016
S. G. Djorgovski, 2016
K. M. Gilmartin, 2016
E. Meyerowitz, 2016
S. E. Reisman, 2016

Patents and Relations with Industry
S. H. Low, Chair
R. J. Deshaies, 2016
K. P. Giapis, 2016
R. F. Ismagilov, 2018
N. A. Pierce, 2017
M. L. Roukes, 2018
K. J. Vahala, 2017

Scholarships and Financial Aid
G. Refael
D. Crewell*
F. Eberhardt, 2018
D. M. Kochmann, 2017
C. S. Parker, 2018
S. Shimojo, 2016
J. M. Stock*
J. Whitney*

Student Life and Housing
P. D. Asimow, Chair
A. Aravin, 2017
W. M. Clemons, 2016
J. G. Cohen, 2018
K. A. Ligett, 2017
T. Mannion (non-voting)
B. Mitchell*
D. C. Rees*
E. Snowberg*
V. C. Tsai, 2017

Undergraduate Academic Standards and Honors
D. P. Weitekamp, Chair
J. P. Ampuero Saenz, 2016
P. M. Bellan, 2016

Faculty Officers and Committees
J. F. Brady, 2016
W. C. Brown, 2017
M. H. Dickinson, 2018
J. E. Ensminger, 2016
J. R. Greer, 2016
J. R. Heath, 2018
E. Mantovan, 2016
M. N. Morley*
F. C. Porter, 2018

**Upperclass Admissions**
R. M. Murray, Chair
D. Asimaki, 2017
M. Effros, 2016
T. B. Graber, 2016
M. Guttman, 2018
J. A. Jahner, 2016
M. P. Lamb, 2016
T. F. Miller, 2016
M. N. Morley*
J. Whitney*

*ex officio member

*Trustees, Administration, Faculty*
STAFF OF INSTRUCTION AND RESEARCH

Division of Biology and Biological Engineering

Stephen L. Mayo, William K. Bowes Jr. Leadership Chair
Raymond Deshaies, Executive Officer for Molecular Biology
Marianne Bronner, Executive Officer for Neurobiology
Michael Elowitz, Executive Officer for Biological Engineering

Professors Emeriti

John N. Abelson, Ph.D.
   George Beadle Professor of Biology
Charles J. Brokaw, Ph.D.
   Biology
John J. Hopfield, Ph.D.
   Roscoe G. Dickinson Professor of Chemistry and Biology
Masakazu Konishi
   Bing Professor of Behavioral Biology
Jean-Paul Revel, Ph.D.
   Albert Billings Ruddock Professor of Biology
Melvin I. Simon, Ph.D.
   Anne P. and Benjamin F. Biaggini Professor of Biological Sciences
James H. Strauss, Ph.D.
   Ethel Wilson Bowles and Robert Bowles Professor of Biology

Senior Research Associate Emeriti

Anne Chomyn, Ph.D.
Ellen G. Strauss, Ph.D.

Professors

Ralph Adolphs, Ph.D.
   Bren Professor of Psychology and Neuroscience and Professor of Biology
John M. Allman, Ph.D.
   Frank P. Hixon Professor of Neurobiology
Richard A. Andersen, Ph.D.
   James G. Boswell Professor of Neuroscience

David J. Anderson, Ph.D.¹
   Seymour Benzer Professor of Biology
Frances H. Arnold, Ph.D.
   Dick and Barbara Dickinson Professor of Chemical Engineering, Bioengineering, and Biochemistry; Director, Donna and Benjamin M. Rosen Bioengineering Center
David Baltimore, Ph.D., D.Sc.h.c., D.Phil.h.c., Nobel Laureate
   Robert Andrews Millikan Professor of Biology
Pamela Bjorkman, Ph.D.
   Centennial Professor of Chemistry
Marianne Bronner, Ph.D.
   Albert Billings Ruddock Professor of Biology; Executive Officer for Neurobiology
Judith L. Campbell, Ph.D.
   Chemistry and Biology
David C. Chan, M.D., Ph.D.
   Biology
John O. Dabiri, Ph.D.
   Professor of Aeronautics and Bioengineering
Eric H. Davidson, Ph.D.
   Norman Chandler Professor of Cell Biology
Raymond Deshaies, Ph.D.¹
   Biology; Executive Officer for Molecular Biology
Michael H. Dickinson, Ph.D.
   Esther M. and Abe M. Zarem Professor of Bioengineering
William G. Dunphy, Ph.D.
   Grace C. Steele Professor of Biology
Michael Elowitz, Ph.D.¹
   Biology and Bioengineering; Executive Officer for Biological Engineering
Morteza Gharib, Ph.D.
   Hans W. Liepmann Professor of Aeronautics and Bioinspired Engineering; Vice Provost
Bruce A. Hay, Ph.D.
   Biology
Rustim F. Ismagilov, Ph.D.
   Ethel Wilson Bowles and Robert Bowles Professor of Chemistry and Chemical Engineering; Director of the Jacobs Institute for Molecular Engineering for Medicine
Grants J. Jensen, Ph.D.¹
   Biophysics and Biology

¹ Joint appointment with Howard Hughes Medical Institute
Mary B. Kennedy, Ph.D.
*Allen and Lenabelle Davis Professor of Biology*

Henry A. Lester, Ph.D.
*Bren Professor of Biology*

Stephen L. Mayo, Ph.D.
*Bren Professor of Biology and Chemistry; William K. Bowes Jr. Leadership Chair, Division of Biology and Biological Engineering*

Sarkis Mazmanian, Ph.D.
*Luis B. and Nelly Soux Professor of Microbiology*

Markus Meister, Ph.D.
*Anne P. and Benjamin F. Biaggini Professor of Biological Sciences*

Elliot M. Meyerowitz, Ph.D.
*George W. Beadle Professor of Biology*

Richard Murray, Ph.D.
*Thomas E. and Doris Everhart Professor of Control and Dynamical Systems and Bioengineering*

Dianne K. Newman, Ph.D.
*Biology and Geobiology*

Robert B. Phillips, Ph.D.
*Fred and Nancy Morris Professor of Biophysics and Biology*

Niles A. Pierce, Ph.D.
*Professor of Applied and Computational Mathematics and Bioengineering*

Ellen Rothenberg, Ph.D.
*Albert Billings Ruddock Professor of Biology*

Michael L. Roukes, Ph.D.
*Robert M. Abbey Professor of Physics, Applied Physics, and Bioengineering*

Shinsuke Shimojo, Ph.D.
*Gertrude Baltimore Professor of Experimental Psychology*

Anastassios G. Siapas, Ph.D.
*Computation and Neural Systems*

Angelike Stathopoulos, Ph.D.
*Biology*

Paul W. Sternberg, Ph.D.
*Thomas Hunt Morgan Professor of Biology*

Doris Ying Tsao, Ph.D.
*Biology*

Alexander J. Varshavsky, Ph.D.
*Howard and Gwen Laurie Smits Professor of Cell Biology*

Erik Winfree, Ph.D.
*Professor of Computer Science, Computation and Neural Systems, and Bioengineering*

Barbara J. Wold, Ph.D.
*Bren Professor of Molecular Biology*

Changhuei Yang, Ph.D.
*Professor of Electrical Engineering, Bioengineering, and Medical Engineering*

Kai Zinn, Ph.D.
*Biology*

**Assistant Professors**

Alexei A. Aravin, Ph.D.
*Biology*

Lea Goentoro, Ph.D.
*Biology*

Viviana Gradinaru, Ph.D.
*Biology and Biological Engineering*

Mitchell Guttmann, Ph.D.
*Biology*

Elizabeth J. Hong, Ph.D.
*Neuroscience*

Yuki Oka, Ph.D.
*Biology*

David Prober, Ph.D.
*Biology*

Lulu Qian, Ph.D.
*Bioengineering*

1 Joint appointment with Howard Hughes Medical Institute

**Senior Research Associate Emeriti**

Anne Chomyn, Ph.D.
Ellen G. Strauss, Ph.D.
R. Andrew Cameron, Ph.D.

**Lecturers**

L. Elizabeth Bertani, Ph.D.
Justin Bois, Ph.D.
Lindsay Bremner, Ph.D.
Andres Collazo, Ph.D.
Alexandre Cunha, Ph.D.
Ciro Donelak, Ph.D.
Santiago V. Lombeyd, Ph.D.
Danny Petrasek, Ph.D.
Andrew Steele, Ph.D.
Carol Chace Tydell, DVM

**Research Professors**

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Carlos Lois, M.D., Ph.D.
Mary An-yuan Yui, Ph.D.

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Eric Hoopfer, Ph.D.
Hyosang Lee, Ph.D.
Isabelle S. Peter Lashgari Faghani, Ph.D.

Senior Research Associates
Mary An-yuan Yui, Ph.D.

Senior Faculty Associate
Alice S. Huang, Ph.D.

Visiting Associates
Clare Baker, Ph.D.
Elaine L. Bearer, Ph.D., M.D.
Peter Clote, Ph.D.
Scott Fraser, Ph.D.
Jordi Garcia-Ojalvo, Ph.D.
Taekjip Ha, Ph.D.
Elaine Hsiao, Ph.D.
Yongning He, Ph.D.
Hyoungh Il Kim, Ph.D.
Brian Lee, M.D., Ph.D.
Carmel Levitan, Ph.D.
Charles Liu, M.D., Ph.D.
Stefano Lonardi, Ph.D.
Sylvia Lopez-Vetrone, Ph.D.
Hongyu Ma, Ph.D.
Eric Mjolsness, Ph.D.
Alan Moses, Ph.D.
Michael C. Mossing, Ph.D.
Sua Myong, Ph.D.
Alexandre Okano, Ph.D.
Carmie Puckett Robinson, M.D.
Yannick Rondelez, Ph.D.
Ian Ross, M.D.
Ueli Rutishauser, Ph.D.
Tarciso Velho, Ph.D.

Member of the Beckman Institute
Sonja Hess, Ph.D.
Russell E. Jacobs, Ph.D.

Members of the Professional Staff
Igor Antoshechkin, Ph.D.
Janet F. Baer, D.V.
L. Elizabeth Bertani, Ph.D.
Bruce Cohen, Ph.D.
Andres Collazo, Ph.D.
Benjamin E. Deverman, Ph.D.
Rochelle A. Diamond, B.A.
Ali Khoshnhan, Ph.D.
Evgueniy V. Lubenov, Ph.D.
Hans-Michael Muller, Ph.D.
Alex Nisthal, Ph.D.
Ker-hwa Ou, M.S.
Shirley Pease, B.Sc.
Andrew J. Ransick, Ph.D.
Bruce Shapiro, Ph.D.
Jost Vielmetter, Ph.D.
Anthony P. West, Jr., Ph.D.
Xiaowei Zhang, Ph.D.
Jie Zhou, Ph.D.

Senior Postdoctoral Scholars
Michael Bethune, Ph.D.
Ashwin Gopinath, Ph.D.
Satoshi Hirose, Ph.D.
Hiroyuki Hosokawa, PhD.
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Tjonnie Guang Feng Li, Ph.D.  
*Physics*

Martin Lueker, Ph.D.  
*Physics*

Vyacheslav Lysov, Ph.D.  
*Sherman Fairchild, Theoretical Physics*

Mingwu Lu, Ph.D.  
*Physics*

Denis Martynov, Ph.D.  
*Physics*

Daniel C. Masters, Ph.D.  
*Astrophysics*

Christopher M. McKenziey, Ph.D.  
*Physics*

Jason Melbourne, Ph.D.  
*Physics, IPAC*

Ryan Mishmash, Ph.D.  
*Lee DuBridge, Theoretical Physics*

Lorenzo Moncelsi, Ph.D.  
*Physics*

Christine Moran, Ph.D.  
*Numerical Relativity*

Chiara Mingarelli, Ph.D.  
*Marie Curie, Astrophysics*

David Fabian Mross, Ph.D.  
*Physics*

Muhammad Mujeeb-U-Rahman, Ph.D.  
*Physics*

Atsushi Nishizawa, Ph.D.  
*Physics*

Roger O’Brien, Ph.D.  
*Experimental Physics*

Fernando M. Pastawski, Ph.D.  
*Theoretical Physics*

Johanner Pollanen, Ph.D.  
*Physics*
Physics, Mathematics and Astronomy

Stephen Privitera, Ph.D.

David Radice, Ph.D.

Vikram Ravi, Ph.D.

Luke Roberts, Ph.D.

Leslie Rodgers, Ph.D.

Ryan de Rosa, Ph.D.

Eric Sage, Ph.D.

Patricia Schmidt, Ph.D.

Andre da Silva Schneider, Ph.D.

Simon Slutsky, Ph.D.

Rory J.E. Smith, Ph.D.

Justin Song, Ph.D.

Jonathan Squire, Ph.D.

Bryan Steinbach, Ph.D.

Charles L. Steinhardt, Ph.D.

Natalia Stroch, Ph.D.

Christopher M. Swank, Ph.D.

Lian Tao, Ph.D.

Paul Kristan (Kristan) Temme, Ph.D.

Shriharsh Tendulkar, Ph.D.

Jaroslav Trmka, Ph.D.

Gabriele Vajente, Ph.D.

Harish Vedantham, Ph.D.

Jean-Roch Vlimant, Ph.D.

Ling Wang, Ph.D.

Andrew R. Wetzel, Ph.D.

Hao-Yi (Heidi) Wu, Ph.D.

Zhongtao Wu, Ph.D.

Si Xie, Ph.D.

Yue Zhang, Ph.D.

Liuyan Zhao, Ph.D.

Adi Zitrin, Ph.D.
Center for Data-Driven Discovery

George Djorgovsky
Director

Information Management Systems and Services

Rich Fagen, B.A.
Chief Information Officer

Directorate

Beverly Allen, M.B.A.
Glenn W. Bach, M.S.
RuthAnne Bevier, M.L.I.S.
Dawn Boyd, B.S.
Bradley Cain, J.D.
Ron Kong, M.S.
Robert Logan, B.S.
Leslie Maxfield, M.S.

Jet Propulsion Laboratory

Administered by Caltech for the National Aeronautics and Space Administration

Charles Elachi, Director
Larry D. James, Deputy Director

Executive Council

A. Blaine Baggett
Director for Communications and Education
Diane L. Evans
Director for Earth Science and Technology
David Gallagher
Director for Astronomy, Physics, and Space Technology
Cozette M. Hart
Director for Human Resources
Chris P. Jones
Associate Director for Flight Projects and Mission Success
Janis L. Chodas
Director for Office of Safety and Mission Success

Fuk K. Li
Manager, Mars Exploration Program Office and Director for Mars Exploration
Leslie L. Livesay
Director for Engineering and Science
Daniel J. McCleese
Chief Scientist
Keyur C. Patel
Director for Interplanetary Network
Brian Muirhead
Chief Engineer
Firouz M. Naderi
Director for Solar System Exploration
Richard P. O’Toole
Manager, Office of Legislative Affairs
Steve Proia
Chief Financial Officer and Director for Business Operations
James J. Rinaldi
Chief Information Officer and Director for Information Technology
Victoria D. Stratman
Caltech General Counsel
Jakob van Zyl
Associate Director for Project Formulation and Strategy
Jonas Zmuidzinhas
Chief Technologist

Library Services

Administration
Kristin Antelman
University Librarian
Robin Izon
Library Operations Administrator
Catherine Geard
Library Business Administrator

Department Heads
Gail P. Clement
Head of Research Services
Stephen Davison
Head of Digital Library Development
David McCaslin
Head of Access & Fulfillment Services
To be announced
Head of Archives & Special Collections

Trustees, Administration, Faculty
Staff and Faculty Consultation Center

Linda Krippner, Psy.D., Director

Student Affairs

Joseph E. Shepherd  
*Vice President for Student Affairs*

Felicia A. Hunt  
*Assistant Vice President for Equity, Accessibility, and Inclusion Initiatives, and Title IX Coordinator*

Douglas C. Rees  
*Dean of Graduate Studies*

Erik C. Snowberg  
*Master of Student Houses*

To be Announced  
*Dean of Undergraduate Students*

Barbara C. Green  
*Interim Dean of Undergraduate Students*

Betsy Mitchell  
*Director of Athletics, Recreation, and Physical Education*

Kevin Austin  
*Executive Director of Health and Counseling Services*

Don A. Crewell  
*Director of Student Financial Aid*

Cindy de Mesa  
*Administrator, Performing and Visual Arts Programs*

Maria A. Katsas  
*Acting Director of Housing*

Tom Mannion  
*Senior Director Student Activities and Programs*

Stuart Miller  
*Medical Director of Health Services*

Mary N. Morley  
*Registrar*

Lesley Nye  
*Associate Dean of Undergraduate Students*

Dimitris A. Sakellariou  
*Chief Business Administrator*

Lauren Stolper  
*Director of Fellowships Advising and Study Abroad, and Career Development Center*

Jonathan Webster  
*Senior Director of Dining Services*

Jarrid Whitney  
*Executive Director of Admissions and Financial Aid*
OFFICERS AND FACULTY

University of California = UC Berkeley
California State University = Cal State L.A.

Thomas F Rosenbaum, Ph.D., President; Sonja and William Davidek Presidential Chair; Professor of Physics

John N Abelson, Ph.D., George Beadle Professor of Biology, Emeritus
B.S., Washington State University, 1960; Ph.D., Johns Hopkins University, 1965. Professor, Caltech, 1982-91; Beadle Professor, 1991-2002; Beadle Professor Emeritus, 2002-. Chair, Division of Biology, 1989-95.

Yaser Abu-Mostafa, Ph.D., Professor of Electrical Engineering and Computer Science
B.Sc., Cairo University, 1979; M.S.E.E., Georgia Institute of Technology, 1981; Ph.D., Caltech, 1983. Garrett Research Fellow in Electrical Engineering, 1983; Assistant Professor, 1983-89; Associate Professor, 1989-94; Professor, 1994-.

Allan J Acosta, Ph.D., Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering, Emeritus

Rana Adhikari, Ph.D., Professor of Physics
B.S., University of Florida (Gainesville), 1998; Ph.D., Massachusetts Institute of Technology, 2004. Assistant Professor, Caltech, 2006-12; Professor, 2012-.

Jess F Adkins, Ph.D., Professor of Geochemistry and Global Environmental Science
B.S., Haverford College, 1990; Ph.D., Massachusetts Institute of Technology, 1998. Assistant Professor, Caltech, 2000-06; Associate Professor, 2006-10; Professor, 2010-.

Ralph Adolphs, Ph.D., Bren Professor of Psychology and Neuroscience and Professor of Biology
B.S., Stanford University, 1986; M.S., 1986; Ph.D., Caltech, 1992. Professor of Psychology and Neuroscience, 2004-05; Bren Professor, 2005--; Professor of Biology, 2005--; Director, Caltech Brain Imaging Center, 2008-13.

Andreas Aebi, Lecturer in German

Theodor Agapie, Ph.D., Professor of Chemistry
B.S., Massachusetts Institute of Technology, 2001; Ph.D., Caltech, 2007. Assistant Professor, Caltech, 2009-14; Professor, 2014--.

Piyush S Agraw, Visiting Associate in Geophysics

Marina Agranov, Ph.D., Assistant Professor of Economics
B.A., St. Petersburg State Technical University, 1999; M.A., Tel Aviv University, 2004; Ph.D., New York University, 2010. Caltech, 2010--.

Oded Aharonson, Visiting Associate in Planetary Science
B.S., Cornell University, 1994; M.Eng., 1995; Ph.D., Massachusetts Institute of Technology, 2002. Assistant Professor, Caltech, 2002-08; Associate Professor, 2008-10; Professor, 2010-11. Visiting Associate, 2013-16.

David S Ahn, Visiting Associate in Economics

Bader Al-Anzi, Senior Research Fellow in Biology and Biological Engineering
B.S., Kuwait University, M.S., Arizona State University, Ph.D., Yale University, 2003. Caltech, 2011--.

Arden I Albee, Ph.D., Professor of Geology and Planetary Science, Emeritus

Miguel Alcalde, Visiting Associate in Chemical Engineering

Andreas Aebi, Lecturer in German

Theodor Agapie, Ph.D., Professor of Chemistry
B.S., Massachusetts Institute of Technology, 2001; Ph.D., Caltech, 2007. Assistant Professor, Caltech, 2009-14; Professor, 2014--.

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Marina Agranov, Ph.D., Assistant Professor of Economics
B.A., St. Petersburg State Technical University, 1999; M.A., Tel Aviv University, 2004; Ph.D., New York University, 2010. Caltech, 2010--.
677

Historical Sketch

677

Officers and Faculty

59; Associate Professor, 1959-64; Professor, 1964-90; Professor Emeritus, 1990-. Interim Director, Seismological Laboratory, 1965-67; Acting Chairman, Division of Geology, 1967-68.

Mark Allen, Visiting Associate in Planetary Science
B.A., Columbia University, 1971; Ph.D., Caltech, 1976. Member of the Technical Staff, Jet Propulsion Laboratory, 1984-.


John M Allman, Ph.D., Frank P. Hixon Professor of Neurobiology
B.A., University of Virginia, 1965; A.M., University of Chicago, 1968; Ph.D., 1971. Assistant Professor, Caltech, 1974-77; Associate Professor, 1977-84; Professor, 1984-89; Hixon Professor, 1989-.

Paolo Aluffi, Visiting Associate in Mathematics

R M Alvarez, Ph.D., Professor of Political Science
B.A., Carleton College, 1986; M.A., Duke University, 1990; Ph.D., 1992. Assistant Professor, Caltech, 1992-95; Associate Professor, 1995-2002; Professor, 2002-.

Brendan P Ames, von Karman Instructor in Computing and Mathematical Sciences

Jean Paul (Pablo) Ampuero Saenz, Ph.D., Assistant Professor of Seismology

Akash Anand, Visiting Associate in Computing and Mathematical Sciences

Ebbe S Andersen, Visiting Associate in Computing and Mathematical Sciences

Richard A Andersen, Ph.D., James G. Boswell Professor of Neuroscience
B.S., University of California (Davis), 1973; Ph.D., University of California (San Francisco), 1979. Caltech, 1993-.

David J Anderson, Ph.D., Seymour Benzer Professor of Biology, Investigator, Howard Hughes Medical Institute
A.B., Harvard University, 1978; Ph.D., Rockefeller University, 1983. Assistant Professor, Caltech, 1986-92; Associate Professor, 1992-96; Professor, 1996-2004; Roger W. Sperry Professor, 2004-09; Benzer Professor, 2009-. Assistant Investigator, 1989-92; Associate Investigator, 1992-97; Investigator, 1997-.

Don I Anderson, Ph.D., Eleanor and John R. McMillan Professor of Geophysics, Emeritus

Jose E Andrade, Ph.D., Professor of Civil and Mechanical Engineering
B.S., Florida Institute of Technology, 2001; M.S., Stanford University, 2003; PhD, 2006. Assistant Professor, Caltech, 2010; Associate Professor, 2010-13; Professor, 2013-.

Lachlan I Andrew, Visiting Associate in Computing and Mathematical Sciences
B.S., University of Melbourne, 1992; B.Sc., 1993; Ph.D., 1997. Associate Professor, Swinburne University of Technology, 2008-.

Fred C Anson, Ph.D., D.h.c., Elizabeth W. Gilloon Professor of Chemistry, Emeritus
B.S., Caltech, 1954; Ph.D., Harvard University, 1957; D.h.c., University of Paris VII, 1993. Instructor, Caltech, 1957-58; Assistant Professor, 1958-62; Associate Professor, 1962-68; Professor, 1968-95; Gilloon Professor, 1995-2001; Gilloon Professor Emeritus 2001-. Executive Officer for Chemistry, 1973-77; Chairman, Division of Chemistry and Chemical Engineering, 1984-94.

Kristin Antelman, University Librarian

Dimitrios Antsos, Lecturer in Electrical Engineering

Tom M Apostol, Ph.D., Professor of Mathematics, Emeritus
B.S., University of Washington, 1944; M.S., 1946; Ph.D., University of California, 1948. Assistant Professor, Caltech, 1950-56; Associate Professor, 1956-62; Professor, 1962-92; Professor Emeritus, 1992-.

Koji Arai, Research Assistant Professor of Experimental Physics

Alexei Aravin, Ph.D., Assistant Professor of Biology
B.S., University of Moscow, 1997; M.Sc., 1998; Ph.D., 2002. Caltech, 2009-.
Jasmina Arifovic, Visiting Associate in Economics

Gloria Arjona, Lecturer in Spanish

Frances H Arnold, Ph.D., D.b.c., Dick and Barbara Dickinson Professor of Chemical Engineering, Bioengineering and Biochemistry; Director, Donna and Benjamin M. Rosen Bioengineering Center
B.S., Princeton University, 1979; Ph.D., University of California, 1985; D.h.c., Stockholm University. Visiting Associate, Caltech, 1986; Assistant Professor, 1987-92; Associate Professor, 1992-96; Professor, 1996-99; Professor of Chemical Engineering and Biochemistry, 1999-2000. Dickinson Professor, 2000--; Director, Rosen Bioengineering Center, 2013-.

Stephen Arnold, Visiting Associate in Biology and Biological Engineering
B.S., University of Toledo, 1964; Ph.D., City University. Caltech, 2014-.

Junichi Asama, Visiting Associate in Mechanical and Civil Engineering

Yoshiharu Asaoka, Visiting Associate in Chemical Engineering
B.S., Mie University, 2003; M.S., 2005; Ph.D., 2013. Caltech, 2015-16.

Michael Aschbacher, Ph.D., Shaler Arthur Hanisch Professor of Mathematics, Emeritus
B.S., Caltech, 1966; Ph.D., University of Wisconsin, 1969. Bateman Research Instructor, Caltech, 1970-72; Assistant Professor, 1972-74; Associate Professor, 1974-76; Professor, 1976-96; Hanisch Professor, 1996-2013; Hanisch Professor, Emeritus, 2013--; Executive Officer for Mathematics, 1991-94.

Domniki Asimaki, Ph.D., Professor of Mechanical and Civil Engineering Dipl., National Technical University of Athens, 1998; M.S., Massachusetts Institute of Technology, 2000; Ph.D., 2004. Caltech, 2014-.

Paul D Asimow, Ph.D., Professor of Geology and Geochemistry
A.B., Harvard University, 1991; M.S., Caltech, 1993; Ph.D., 1997. Assistant Professor, 1999-2005; Associate Professor, 2005-2010; Professor, 2010-.

Harry A Atwater, Ph.D., Howard Hughes Professor of Applied Physics and Materials Science; Director, Joint Center for Artificial Photosynthesis
B.S., Massachusetts Institute of Technology, 1982; M.S., 1983; Ph.D., 1987. Assistant Professor, Caltech, 1988-94; Associate Professor, 1994-99; Professor of Applied Physics and Materials Science, 1999-2002; Howard Hughes Professor, 2002-. Director of Resnick Sustainability Institute, 2009-15; Director of Joint Center for Artificial Photosynthesis, 2014-.

Joanna M Austin, Ph.D., Professor of Aerospace Engineering

Jean-Philippe Avouac, Ph.D., Earle C. Anthony Professor of Geology

Tari Awipi, Lecturer in Psychology

Mohib K Azer, Visiting Associate in Geology

Shinpei Baba, Olga Taussky and John Todd Instructor in Mathematics
M.S., Kyoto University, Ph.D., University of California (Davis), 2009. Caltech, 2011-14.

John D Baker, Lecturer in Aerospace

Mark J Balas, Visiting Associate in Computing and Mathematical Sciences
B.S., University of Akron; M.S., University of Maryland, 1970; M.S., University of Denver, 1974; Ph.d, 1974. Caltech, 2011-14.

John D Baldeschwieler, Ph.D., J. Stanley Johnson Professor and Professor of Chemistry, Emeritus B.Chem.E., Cornell University, 1956; Ph.D., University of California, 1959. Professor, Caltech, 1973-96; Johnson Professor and Professor Emeritus, 1996-99; Johnson Professor and Professor Emeritus, 1999-. Chairman, Division of Chemistry and Chemical Engineering, 1973-78.

David Baltimore, Ph.D., D.Sc.h.c., D.Phil.h.c., Nobel Laureate., President Emeritus; Robert Andrews Millikan Professor of Biology
B.A., Swarthmore College, 1960; Ph.D., Rockefeller University, 1964; D.Sc.h.c., Swarthmore College; Mount Holyoke College; Mount Sinai Medical Center; Bard College; University of Helsinki; Cold Spring Harbor Laboratory; University of Alabama; California Polytechnic State University; Columbia University; Yale University;
Rockefeller University; Harvard University; D.Phil.h.c., Weizmann Institute of Science. Professor, Caltech, 1997–2006; Millikan Professor, 2006–. President, 1997–2006, President Emeritus, 2006–.

**Jie Bao, Visiting Associate in Physics**


**Yuequan Bao, Visiting Associate in Mechanical and Civil Engineering**


**Susan J Barbour, Visiting Associate in the Humanities**


**Barry C Barish, Ph.D., Laurea h.c., Ronald and Maxine Linde Professor of Physics, Emeritus**


**Alan H (Al) Barr, Ph.D., Professor of Computer Science**

B.S., Rensselaer Polytechnic Institute, 1973; M.S., 1976; Ph.D., 1983. Research Fellow, Caltech, 1984; Assistant Professor, 1984–90; Associate Professor, 1990–98; Professor, 1998–; Executive Officer for Computer Science, 2000–01.

**Jim Barry, Lecturer in Art—Drawing, Painting, Silkscreen, and Airbrush**


**Jacqueline K Barton, Ph.D., D.Sc.h.c., D.L.b.c., Arthur and Marian Hanisch Memorial Professor of Chemistry; Chair, Division of Chemistry and Chemical Engineering**

A.B., Barnard College, 1974; Ph.D., Columbia University, 1978; D.Sc.h.c., New Jersey Institute; Kenyon College; Yale University; Hamilton College; Williams College; Lawrence University; Columbia University; D.L.b.c., Skidmore College. Visiting Associate, Caltech, 1989; Professor, 1989–; Hanisch Professor, 1997–. Division Chair, 2009–.

**Konstantin Batygin, Ph.D., Assistant Professor of Planetary Science**

B.S., UC Santa Cruz, 2008; M.S., California Institute of Technology, 2010; Ph.D., 2012. Caltech, 2014–.

**Elaine L Bearer, Visiting Associate in Biology**


**Jesse L (Jack) Beauchamp, Ph.D., Mary and Charles Ferkel Professor of Chemistry**

B.S., Caltech, 1964; Ph.D., Harvard University, 1967. Noyes Research Instructor, Caltech, 1967–69; Assistant Professor, 1969–71; Associate Professor, 1971–74; Professor, 1974–2000; Ferkel Professor, 2000–.

**James L (Jim) Beck, Ph.D., George W. Housner Professor of Engineering and Applied Science**


**Fahmi Bedoui, Visiting Associate in Chemistry**


**Josette Bellan, Visiting Associate in Mechanical and Civil Engineering**


**Paul M Bellan, Ph.D., Professor of Applied Physics**

B.Sc., University of Manitoba, 1970; M.A., Princeton University, 1972; Ph.D., 1976. Assistant Professor, Caltech, 1977–83; Associate Professor, 1983–89; Professor, 1990–.

**Andrea P Belz, Visiting Professor in Engineering**


**Shelley M Bennett, Lecturer in Art History**


**John E Bercaw, Ph.D., Centennial Professor of Chemistry, Emeritus**

B.S., North Carolina State University, 1967; Ph.D., University of Michigan, 1971. Arthur Amos Noyes Research Fellow, Caltech, 1972–74; Assistant Professor, 1974–77; Associate
Professor, 1977-79; Professor, 1979-93; Shell Distinguished Professor, 1985-90; Centennial Professor, 1993-15; Centennial Professor, Emeritus, 2015-. Executive Officer for Chemistry, 1999-2002.

Zvi Bern, Ph.D., Moore Distinguished Scholar B.S., Massachusetts Institute of Technology, 1982; Ph.D., University of California, Berkeley, 1986. Caltech, 2015.

Marco Bernardi, Ph.D., Assistant Professor of Applied Physics and Materials Science B.S., University of Rome La Sapienza, 2004; M.S., University of Rome Tor Vergata, 2008; Ph.D., Massachusetts Institute of Technology, 2013. Assistant Professor, Caltech, 2015-.


Kaushik Bhattacharya, Ph.D., Howell N. Tyson, Sr., Professor of Mechanics and Professor of Materials Science; Executive Officer for Mechanical and Civil Engineering B.Tech., Indian Institute of Technology, 1986; Ph.D., University of Minnesota, 1991. Assistant Professor, Caltech, 1993-99; Associate Professor, 1999-2000; Professor, 2000-10; Tyson, Sr., Professor, 2010-; Executive Officer, 2007-.


Delores M Bing, Lecturer in Chamber Music B.M., Drake University, 1970; M.M., University of Southern California, 1972. Lecturer, Coordinator, 2007-11. Lecturer in Chamber Music, Caltech, 1999-.


Geoffrey A (Geoff) Blake, Ph.D., Professor of Cosmochemistry and Planetary Sciences and Professor of Chemistry B.S., Duke University, 1981; Ph.D., Caltech, 1986. Assistant Professor of Cosmochemistry, 1987-93; Associate Professor of Cosmochemistry and Planetary Sciences, 1993-97; Professor, 1997-99; Professor of Cosmochemistry and Planetary Sciences and Professor of Chemistry, 1999-. Deputy Director, Owens Valley Radio Observatory, 2000-06; Master of Student Houses, 2009-14.

Guillaume Blanquart, Ph.D., Professor of Mechanical Engineering B.S., M.S., École Polytechnique, 2002; M.S., Stanford University, 2004; Ph.D., 2008; Assistant Professor, Caltech, 2009-15; Professor, 2015-.


James J (Jamie) Bock, Ph.D., Professor of Physics: Jet Propulsion Laboratory Senior Research Scientist B.S., Duke University, 1987; M.A., University of California, Berkeley, 1990; Ph.D., 1994. Jet Propulsion Laboratory Research Scientist, 1994-2012; Visiting Associate, Caltech, 1994-2008; Senior Faculty Associate, 2008-12; Professor, 2012-; Jet Propulsion Laboratory Senior Research Scientist, 2012-.

Marc W Bockrath, Visiting Associate in Applied Physics B.S., Massachusetts Institute of Technology, 1993; Ph.D., University of California, 1999. Visiting Associate, Caltech, 2002; 2009-14; Assistant Professor, 2002-09.

Daniel J Bodony, Visiting Professor of Mechanical and Civil Engineering B.S., Purdue University, West Lafayette, 1997; M.S., 1999; Ph.D., Stanford University, 2005. Caltech, 2015.

Felix H Bochm, Ph.D., William L. Valentine
Professor of Physics, Emeritus Dipl., Federal Institute of Technology (Zurich), 1948; Ph.D., 1951. Research Fellow, Caltech, 1953-55; Senior Research Fellow, 1955-58; Assistant Professor, 1958-59; Associate Professor, 1959-61; Professor, 1961-85; Valentine Professor, 1985-95; Valentine Professor Emeritus, 1995-.


Kim C Border, Ph.D., Professor of Economics B.S., Caltech, 1974; Ph.D., University of Minnesota, 1979. Assistant Professor, Caltech, 1979-83; Associate Professor, 1983-95; Professor, 1995-. Executive Officer for the Social Sciences, 1995-99.

Simona Bordoni, Ph.D., Assistant Professor of Environmental Science and Engineering Dipl., University of Rome Tor Vergata, 1996; M.S., University of California (Los Angeles), 2003; Ph.D., 2007. Moore Postdoctoral Fellow, Caltech, 2007; Assistant Professor, 2009-.

Peter L Bossaerts, Visiting Associate in Finance Doctorandus, Universitaire Faculteiten Sint Ignatius (Belgium), 1982; Ph.D., University of California (Los Angeles), 1986. Assistant Professor of Finance, Caltech, 1990-94; Associate Professor, 1994-98; Professor, 1998-2013; Hacker Professor, 2003-2013. Executive Officer for the Social Sciences, 2002-05; Chair, Division of the Humanities and Social Sciences, 2006-07. Visiting Associate in Finance, 2013-.


John F Brady, Ph.D., Chevron Professor of Chemical Engineering and Mechanical Engineering; Executive Officer for Chemical Engineering B.S., University of Pennsylvania, 1975; M.S., Stanford University, 1977; Ph.D., 1981. Associate Professor, Caltech, 1985-89; Professor, 1990-99; Chevron Professor, 1999-; Professor of Mechanical Engineering, 2005-. Executive Officer for Chemical Engineering, 1993-99; 2013-.


Louis Breger, Ph.D., Professor of Psychoanalytic Studies, Emeritus B.A., University of California (Los Angeles), 1957; M.A., Ohio State University, 1959; Ph.D., 1961. Visiting Associate Professor of Psychology, Caltech, 1970-71; Associate Professor, 1971-71; Associate Professor of Psychology and the Humanities, 1980-83; Professor of Psychoanalytic Studies, 1983-94; Professor Emeritus, 1994-.

Lindsay R Bremner, Lecturer in Biology and Biological Engineering B.A., St. Catherines College, 2000; Ph.D., University College Longdon, 2007. Caltech, 2013-.


John Brewer, Ph.D., Eli and Edye Broad Professor of Humanities and Social Sciences; Professor of History and Literature B.A., University of Cambridge, 1968; M.A., 1972; Ph.D., 1973; M.A. Honorary Degree, Harvard University. Moore Distinguished Scholar, Caltech, 2001; Professor, 2002-; Broad Professor, 2003-.
William B Bridges, Ph.D., Carl F Braun
Professor of Engineering, Emeritus
B.S., University of California, 1956; M.S., 1957; Ph.D., 1962. Sherman Fairchild
Distinguished Scholar, Caltech, 1974-75; Professor of Electrical Engineering and
Applied Physics, 1977-83; Braun Professor, 1983-2002; Braun Professor Emeritus, 2002-.
Executive Officer for Electrical Engineering, 1978-81.

Michael E (Mike) Brown, Ph.D., Richard
and Barbara Rosenberg Professor and Professor of
Planetary Astronomy
A.B., Princeton University, 1987; M.A.,
University of California, 1990; Ph.D., 1994.
Visiting Associate, Caltech, 1995; Assistant
Professor, 1997-2002; Associate Professor, 2002-04; Professor, 2005-2008; Rosenberg
Professor, 2008-.

Jeandrew Brink, Visiting Associate in Physics
B.Sc., University of the Free State, 1998;
B.Sc., 1999; M.A., 2000; Ph.D., Cornell

Warren C Brown, Ph.D., Professor of History
B.S., Tufts University, 1985;
M.A., University of Cincinnati, 1993; Ph.D.,
University of California (Los Angeles), 1997.
Assistant Professor, Caltech 1997-2003;
Associate Professor, 2003-10; Professor,
2010-.

Roland Brockers, Lecturer in Mechanical and
Civil Engineering
Dipl-FH, Niederrhein University of Applied
Science, 1993; Dipl., University of Paderborn
(Germany), 1999; Ph.D., 2005. Caltech,

Jehoshua (Shuki) Bruck, Ph.D., Gordon
and Betty Moore Professor of Computation and
Neural Systems and Electrical Engineering
B.Sc., Technion-Israel Institute of
Technology, 1982; M.Sc., 1985; Ph.D.,
Stanford University, 1989. Associate
Professor, Caltech, 1994-98; Professor, 1998-
2001; Moore Professor, 2001-. Director,
Information Science and Technology, 2003-
05.

Charles J Brokaw, Ph.D., Professor of Biology,
Emeritus
B.S., Caltech, 1955; Ph.D., University of
Cambridge, 1958. Visiting Assistant
Professor, Caltech, 1960; Assistant Professor,
1961-63; Associate Professor, 1963-68;
Professor, 1968-2000; Professor Emeritus,
2000-. Executive Officer for Biology, 1976-
80; 1985-89; Associate Chairman of the
Division of Biology, 1980-85.

Todd Brun, Visiting Associate in Theoretical
Physics
Ph.D., Caltech, 1994. Professor, University of

Marianne Bronner Hansen, Ph.D., Albert
Billings Ruddock Professor of Biology; Executive
Officer for Neurobiology
Sc.B., Brown University, 1975; Ph.D., Johns
Hopkins University, 1979. Professor, Caltech,
1996-2000; Ruddock Professor, 2000-;
Executive Officer, 2013-.

Oscar P Bruno, Ph.D., Professor of Applied
and Computational Mathematics
Lic., University of Buenos Aires, 1982;
Ph.D., New York University (Courant
Institute of Mathematical Sciences), 1989.
Associate Professor, Caltech, 1995-98;
Professor, 1998- Executive Officer for

Norman H Brooks, Ph.D., James Irvine
Professor of Environmental and Civil
Engineering, Emeritus
A.B., Harvard College, 1949; M.S., Harvard
University, 1950; Ph.D., Caltech, 1954.
Instructor in Civil Engineering, 1953-54;
Assistant Professor, 1954-58; Associate
Professor, 1958-62; Professor, 1962-70;
Professor of Environmental Science and
Civil Engineering, 1970-76; Irvine Professor of
Environmental Engineering Science,
1976-77; Irvine Professor of Environmental
Engineering and Civil Engineering 1977-95;
Irvine Professor Emeritus, 1995-. Academic
Officer for Environmental Engineering
Science, 1972-74; Director, Environmental
Quality Laboratory, 1974-93; Executive
Officer for Environmental Engineering
Science, 1985-93.

Joel W Burdick, Ph.D., Richard L. and
Dorothy M. Hayman Professor of Mechanical
Engineering and Bioengineering; Jet Propulsion
Laboratory Research Scientist
B.S., Duke University, 1981; M.S.,
Stanford University, 1982; Ph.D., 1988.
Assistant Professor, Caltech, 1988-94;
Associate Professor, 1994-2000; Professor of
Mechanical Engineering, 2000-02;
Professor of Mechanical Engineering and
Bioengineering, 2002-12; Executive Officer for
aeroengineering, 2006-07; Hayman
Professor, 2012-; Jet Propulsion Laboratory
Research Scientist, 2014-.

Brian Brophy, Lecturer in Theater-Performing
and Creative Arts
B.S., Montana State University, 1981; M.A.,
California State University (Los Angeles),
1999, M.F.A., University of California

Donald S Burnett, Ph.D., Professor of Nuclear
Geochemistry, Emeritus
B.S., University of Chicago, 1959; Ph.D.,
University of California, 1963. Research
Officer in Physics, Caltech, 1963-65; Assistant Professor of Nuclear Geochemistry, 1965-68; Associate Professor, 1968-75; Professor, 1975-2006; Professor Emeritus, 2006-. Academic Officer, Division of Geological and Planetary Sciences, 1979-87.

Long Cai, Ph.D., Assistant Professor of Chemistry
B.A., Harvard University, 2001; Ph.D., 2006. Caltech, 2010-.

Colin F Camerer, Ph.D., Robert Kirby Professor of Behavioral Economics

Robert A (Andy) Cameron, Senior Research Associate in Biology, Emeritus
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abbreviations of courses, 407
academic calendar, 4–5
academic divisions, 10, 289
academic standards, 184, 208, 309
accreditations, 50
administrative officers, 633
admission, 165, 168, 290
admission to candidacy, 170, 304, 305, 306
advanced placement, 167
advisers, 33, 181, 297
aerospace
courses, 406
graduate option, 319
instructional and research staff, 649–657
option representative, 289
study and research, 115
undergraduate minor, 227
Air Force ROTC, 179
allowance of credit, 188
Alumni Association, 40
Americans with Disabilities Act (ADA), 63
anthropology courses, 416
applied and computational mathematics
courses, 418
graduate option, 324
instructional and research staff, 649–657
option representative, 289
study and research, 119
undergraduate option, 228
applied and computational mathematics minor, 327
applied mechanics
courses, 422
graduate option, 327
instructional and research staff, 649–657
option representative, 289
study and research, 120
applied physics
courses, 424
graduate option, 331
instructional and research staff, 649–657
option representative, 289
study and research, 121
undergraduate option, 229
applying for admission, 165, 290
applying for financial aid, 195
applying for graduate standing, 290
Army ROTC, 179
art history courses, 429
ASCIT, 34
assistantships, 312
Associated Students of Caltech, 34
astronomical observatories, 123–124
astrophysics
courses, 433
graduate option, 336
instructional and research staff, 666–673
option representative, 289
study and research, 122
undergraduate option, 231
athletics, 33. See also physical education
auditing courses, 41
authorization and accreditation, 50
awards, 212, 314
bachelor of science degree, 184, 303
Beckman Auditorium, 22, 37
Beckman Institute, 24, 27
Beckman Laboratory, 19, 132.
See also buildings and facilities
behavioral and social neuroscience
study and research, 124
graduate option, 340
option representative, 289
Big Bear Solar Observatory, 26
biochemistry and molecular biophysics
courses, 438
graduate option, 343
instructional and research staff, 644–648
option representative, 289
study and research, 125
bioengineering
courses, 440
graduate option, 344
instructional and research staff, 639–643
option representative, 289
study and research, 125
undergraduate option, 233
biology
advanced placement/college credit, 167
courses, 444
graduate option, 346
instructional and research staff, 639–643
option representative, 289
study and research, 128
undergraduate option, 236
board of trustees, 629
bookstore, 37
B.S./M.S. joint degree, 305
buildings and facilities, 19–27
business economics and management
courses, 457
undergraduate option, 240
Cambridge Scholars program, 175, 205–206
campus directory, 7
career development, 38–40
Center for Data-Driven Discovery (CD3), 28, 674
Center for Teaching, Learning & Outreach (CTLO), 28
chemical engineering
courses, 460
graduate option, 352
instructional and research staff, 644–648
option representative, 289
study and research, 129
undergraduate option, 241
chemistry
advanced placement/college credit, 167
courses, 465
graduate option, 355
instructional and research staff, 644–648
option representative, 289
study and research, 131
undergraduate option, 244
Chinese. See language courses
civil engineering
courses, 475
graduate option, 360
instructional and research staff, 649–657
option representative, 289
study and research, 133
civil engineer's degree, 304
College Board Tests, 166, 169
college credit, 170
College Scholarship Service (CSS) PROFILE application, 195
committees, 635–638
computation and neural systems
courses, 478
graduate option, 364
instructional and research staff, 639–643
option representative, 289
study and research, 134
undergraduate concentration, 260, 261
computational science and engineering, 366
computer ethics, 53–55
course loads. See overloads; underloads
credit, transfer of, 170, 188
courses, 482
graduate option, 367
instructional and research staff, 649–657
option representative, 289
study and research, 135
undergraduate option, 248
computer software agreement, 51
computer store, 37
computing support services, 674
deferral of entrance, 166
degrees
aeronautics, 321
bachelor of science, 170, 171, 180, 184, 186, 221 See also under specific option
civil engineer, 304
doctor of philosophy, 306. See also under specific option
electrical engineer, 304, 372
engineer, 304
joint B.S./M.S., 305
master of science, 303. See also under specific option
mechanical engineer, 390
space engineer, 321
detached duty, 301
dining facilities, 312
Direct Loan Programs, 197–204
directory of campus, 7
disciplines, 52, 203. See also problem resolution
doctor of philosophy degree, 306. See also under specific option
dropping courses, 45, 180, 191
dual degree (3/2) plan, 171
educação
early action application plan, 165
École Polytechnique Scholars Program, 174, 205
economics
courses, 495
undergraduate option, 252
Edinburgh Scholars program, 176, 205
electrical engineering
courses, 498
undergraduate option, 372
instructional and research staff, 649–657
option representative, 289
study and research, 139
undergraduate option, 254
electrical engineer’s degree, 373
electronic information resources policy, 53
employment, 38–40, 68–70, 204–205
energy science and technology, 144, 508
engineering and applied science
instructional and research staff, 649–657
undergraduate option, 258
engineering courses (general), 509
engineer’s degree, 304
English
advanced placement/college credit, 167
courses, 511
undergraduate minor, 262
undergraduate option, 262
English as a second language, 291, 521
English requirements for international students, 168–169, 290–291, 306
environmental science and engineering
courses, 522
graduate option, 375
instructional and research staff, 649–657
option representative, 290
study and research, 145
undergraduate concentration, 263
environment, health, and safety, 64
Equal Employment Opportunity, 68–70
essays for undergraduate admission, 166
examinations. See admission;
placement examinations
exchange programs, 172, 292, 303, 324. See also study abroad
expenses, 205, 311. See also registration; tuition

F
facilities, 19–27
faculty advisers, 32, 297
faculty and officer listings, 676
faculty officers and committees, 635
faculty option representatives, 289–290
faculty-student relations, 33
FAFSA, 194
federal/state grants and loans, 198–204. See also financial aid; repayments
return of funds, 189–193
federal student aid application, 194
fees. See expenses
fellowships, 314
film courses, 527
financial aid, 193–212, 312–314
fire policy, 67
first-year course schedule, 226
foreign students, 41
French. See language courses
freshman advisers, 33
freshman seminars, 226, 528

G
GALCIT, 115
general deposit, 189, 192
geobiology. See geological and planetary sciences
geochemistry. See geological and planetary sciences
geological and planetary sciences courses, 530
graduate option, 377
instructional and research staff, 658–661
minor, 270
option representative, 290
study and research, 148
undergraduate option, 264
geology. See geological and planetary sciences
geology summer field course, 193
geophysics. See geological and planetary sciences
German. See language courses
grade appeals, 45
grade-point average, 43
grades, 41–45
graduate degrees, 289–291, 303–310
graduate program, 11
admission to, 303
career development advising, 38
expenses, 310–312
faculty advisers, 297
financial assistance, 312
housing, 311
option representatives, 289–290
options, 319–405
policies and procedures, 290–291
residency requirements, 292
graduate record examination, 305
graduate student council, 34
graduates, employment experience of, 40
graduate studies committee, 289
graduation requirements, 184–188, 222–225
grants, 192

H
harassment policy, 91
health services, 37–38
high school requirements for admission, 165
history
courses, 545
graduate minor, 382
undergraduate minor, 270
undergraduate option, 270
history and philosophy of science courses, 555
graduate minor, 382

study and research, 150
undergraduate minor, 272
undergraduate option, 272
history of Caltech, 12
Hixon Writing Center, 29
honor system, 35, 51, 53, 168, 193, 291, 311
housing, 31, 188, 311
humanities, 150, 564
allowance of credit, 188
drop policy, 181
requirements, 223–224
instructional and research staff, 662–665

I
immigration matters, 41
interdisciplinary studies program, 151, 275, 568
Information Management Systems and Services (IMSS), 674
Information Science and Technology, 151, 568
Infrared Processing and Analysis Center (IPAC), 24, 124
Institute policies, 53
insurance, health, 37–38
interhouse activities, 34
international baccalaureate, 167
international students, 41, 290
employment program, 204
financial aid, 193
sabbaticals, 294
internships, 30–31
involuntary leave, 182, 296

J
Japanese. See language courses
Jet Propulsion Laboratory, 9, 12, 15, 26, 51, 87, 105, 116, 150, 159, 205, 298, 302, 674
joint B.S./M.S. degree, 304
K
Keck Observatory, 16, 27, 124, 159, 160
Kellogg Radiation Laboratory, 160. See also buildings and facilities
Kerckhoff Marine Laboratory, 129

L
laboratories, special, 302
laboratory of chemical synthesis, 132. See also buildings and facilities
laboratory requirements, 223
language courses, 568
late registration fees, 192, 293, 311
law courses, 572
leave, 181–182. See also sabbaticals
libraries, 29–30, 674
LIGO, 9, 27, 124, 159
literature. See English
loans, 199–204, 314
London Scholars program, 176, 205

M
major fields of study. See options
map of campus, 6
marine biology laboratory, 26, 129
master of science degree, 303, 309. See also under specific option
materials science
courses, 573
graduate option, 383
instructional and research staff, 649–657
option representative, 290
study and research, 152
undergraduate concentration, 260, 261
mathematics
advanced placement/college credit, 167
courses, 576
graduate option, 387
instructional and research staff, 666–673
option representative, 290
study and research, 153
undergraduate option, 276
mechanical engineering
courses, 585
graduate option, 390
instructional and research staff, 649–657
option representative, 290
study and research, 154
undergraduate option, 278
mechanical engineer’s degree, 304, 390
medical engineering
courses, 591
graduate option, 394
instructional and research staff, 649–657
option representative, 290
study and research, 155
medical examination, 37. See also health services
medical school, 39, 351. See also premedical program
Melbourne Scholars program, 178, 205
menu classes, 222
microbiology, 156
missing student policy, 68
M.S. degree, 303. See also under specific option
mural policy, 68
music courses, 593

N
new student orientation, 168
Nobel laureates, 18
nondegree programs, 298
nondiscrimination policy, 68
neurobiology
courses, 595
graduate option, 397
instructional and research staff, 639–643
option representative, 290
study and research, 157
undergraduate option, 238

O
off-campus facilities, 26
officers and faculty listings, 676
officers of Caltech, 629, 633, 635
on-campus recruiting program, 39
option advisers, 33, 181, 186
option representatives, 289–290
options, 10–11
change of, 186
regulations, 185, 221–286, 319–405
selection of, 186
overloads, 187
Owens Valley Radio Observatory, 26, 124, 150, 160

P
Palomar Observatory, 26, 123, 159–160
part-time graduate study programs, 298
pass/fail grading, 41–45
patent agreement, 51
Pell grants, 198
performance courses, 596
performing and visual arts, 34
Ph.D. degree, 306. See also undergraduate minor, 281
undergraduate option, 281
undergraduate option, 283
placement examinations
astrophysics, 336
physics, 400
planetary science. See geological and planetary sciences
policies of Caltech, 53
policy, conflicts of interest, 58
political science
courses, 617
undergraduate option, 285
postdoctoral scholars, 12
premedical program, 39, 237. See also medical school
prizes, 212, 314
problem resolution process, 50–51
PROFILE, 195–196
psychology courses, 619
publications, 35
public events, 37

R
recesses, 4–5
records and transcripts, 47–50
refunds, 189–193, 314
registration
general deposit, 189, 192
graduate students, 292
summer research, 181, 294
undergraduate students, 180
religious practice, 37
repayments, 189, 190–200, 314
research
areas of, 114–163
funds, 314
summer, 30, 181, 294
undergraduate, 30, 181
researchers, visiting, 292
residency requirements, 292
resolution process, 50–51
retention rates, 52
ROTC, 179
S
sabbaticals, 181, 294
SAT exams, 165, 166, 169
scholarships, 179, 197, 198, 212, 314
scholastic requirements, 184
scientific writing, 225
Scripps Institution of
Oceanography, 303
seismological laboratory, 149
senior postdoctoral scholars, 12
sexual violence policy, 70
social science
core institute requirements,
222–224
courses, 621
graduate option, 403
instructional and research
staff, 662–665
option representative, 290
study and research, 160
Spanish. See language courses
special students, 291–292
Spitzer Science Center, 25, 124, 159
Staff/Faculty Consultation
Center, 675
staff of instruction and research,
639–673
Stafford Loan, 200
state and federal grants, 198
stipends, 312–314
structural mechanics
undergraduate minor, 286
Student Activities Center, 32
Student Affairs, 675
student life, 31–37
alcohol use, 87
clubs, publications, and soci-
eties, 35–36
employment, 38–40, 68,
204–205
problem resolution procedure,
50
health, 37–38
housing, 31–32
Student Patent and Computer
Software Agreement, 51
student records and transcripts,
47–50
study abroad, 172–179, 202
Submillimeter Observatory, 27,
124, 159, 160
substance abuse, 87
summer research, 30, 181, 294
Summer Undergraduate Research
Fellowships (SURF), 30
systems biology
graduate option, 345
undergraduate option, 238
study and research, 161
T
teaching assistantships, 312–313
tests. See admission; placement
examinations
theses, 304, 305, 308
Title IX, 68, 171
3/2 dual degree plan, 171
transcripts, 44–50, 168, 183, 188,
191–193, 310–311
transfer admissions, 168
transfer of credit, 170, 188
trustees, 629
tuition, 188, 310
U
UCLA-Caltech Medical
Scientist Training Program,
351
undergraduate program, 10
admission, 164
expenses, 188
housing, 30
options, 221–286
requirements, 221–227
research, 30, 227
undergraduate student events, 53
underloads, 187, 191, 211
units, 41
unpaid bills policy, 193, 310
USC-Caltech M.D./Ph.D.
Program, 351
V

vacations. See recesses
veterans, 46
violence prevention, 107
visas, 41
visiting students, 177, 291, 292
visual arts, 35

W

whistleblower policy, 112
withdrawal, 180, 181, 182, 183–184
work-study, 38, 198, 204, 205, 207
writing, 167, 222, 223–224

Y

Y, Caltech, 36