# Trustees, Administration, Faculty



### **OFFICERS**

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Alumni Relations

Matthew Brewer Controller

Kevin M. Gilmartin
Vice President for Student Affairs

Diana Jergovic Vice President, Strategy Implementation

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Sharon E. Patterson Treasurer

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Margo Steurbaut Vice President of Administration and Chief Financial Officer

General Larry D. James
Deputy Director, Interim Vice President
and Director. Jet Propulsion Laboratory

# **BOARD OF TRUSTEES**

#### **TRUSTEES**

(with date of first election)

William H. Ahmanson (2017) President The Ahmanson Foundation

Sean Bailey (2015) President Walt Disney Studios Motion Picture Production

Barbara M. Barrett (2014) Ambassador Rebecka Belldegrun (2016) President and Chief Executive Officer Bellco Capital, LLC

Brigitte M. Bren (2009)

President and Chief Executive Officer International Strategic Planning

Janet C. Campagna (2017) Chair

QS Investors

David E. Chavez (2017)

Los Alamos National Laboratory

John S. Chen (2008) Executive Chairman of the Board and Chief Executive Officer BlackBerry

Robert B. Chess (2006) Chairman Nektar Therapeutics

David T. Dreier (2013) Chairman Annenberg-Dreier Commission

Lounette M. Dyer (1998) Entrepreneur

Joshua S. Friedman (2011) Co-Founder, Co-Chairman and Co-Chief Executive Officer Canyon Partners, LLC

William T. Gross (1994)
Founder and Chief Executive Officer

Founder and Chief Executive Officer Idealab

David D. Ho (1997)

Scientific Director Aaron Diamond AIDS Research Center, Clyde and Helen Wu Professor of Medicine, Columbia University Vagelos College of Physicians and Surgeons

G. Bradford Jones (2014) Founding Partner Redpoint Ventures

Peter D. Kaufman (2008) Chairman and Chief Executive Officer Glenair, Inc.

Joseph E. Kiani (2021) Masimo Corporation

Louise Kirkbride (1995) Entrepreneur

Walter G. Kortschak (2012) Senior Advisor and Former Managing Partner Summit Partners, L.P.

Jon B. Kutler (2005) Chairman and Chief Executive Officer

Taylor W. Lawrence (2017)

Admiralty Partners, Inc.

David L. Lee (2000) Managing General Partner Clarity Partners, L.P.

Li Lu (2018) Founder and Chairman Himalaya Capital Management, LLC

Alexander Lidow (1998) Chief Executive Officer EPC Corporation

Fariborz Maseeh (2021) Founder The Massiah Foundation

Michelle J. Mathews-Spradlin (2016

Deborah D. McWhinney (2007) Former Chief Executive Officer Citi Enterprise Payments Citi Bank

Alexander R. Mehran, Sr. (2017) Chairman of the Board Sunset Development Company

Kenneth G. Moore (2014) Chief Program Officer Bay Area Chief Administrative Officer Trustee Gordon and Betty Moore Foundation

Philip M. Neches (1995) Venture Partner Entrepreneurs Roundtable Accelerator New York City

Pedro J. Pizarro (2009)
President and Chief Executive Officer
Edison International

David E. I. Pyott, CBE (2018) Private Investor

Eduardo A. Repetto (2015) Chief Investment Officer Avantis Investors

Thomas F. Rosenbaum (2014) President Sonja and William Davidow Presidential Chair and Professor of Physics California Institute of Technology

Richard H. Scheller (2014)

Timothy J. Sloan (2016) Senior Advisor and Partner Fortress Investments, LLC Mason Smith (2021)

Donald W. Tang (2005) Founding Partner Tang Media Partners

David W. Thompson (2012) President and Chief Executive Officer (Retired) Orbital ATK

Richmond A. Wolf (2018) Partner Capitol World Investors

#### SENIOR TRUSTEES

(with date of first election and date of election as Senior Trustee)

Gordon M. Binder (1995, 2007) Managing Director Coastview Capital

Robert C. Bonner (2008, 2014) Senior Partner Sentinel HS Group, LLC

Lynn A. Booth (2011)
The Otis Booth Foundation

Milton M. Chang (2005, 2015) Managing Director Incubic Venture Capital

Peggy T. Cherng (2012, 2019) Co-Chairman Panda Restaurant Group

France Cordova (2020)
Former Director, National Science
Foundation
President Emerita, Purdue University

William H. Davidow (1996, 2007) Founding Partner Mohr Davidow Ventures

Thomas E. Everhart (1998, 2004) President Emeritus California Institute of Technology

Narendra K. Gupta (2010, 2020) Managing Director Nexus Venture Partners

B. Kipling Hagopian (2012, 2013) Managing Partner Apple Oaks Partners LLC

Frederick J. Hameetman (2006, 2012) Chairman Cal-American

741

Maria D. Hummer-Tuttle (2012, 2016) Chair Emerita J. Paul Getty Trust

Bobby R. Inman (1989, 2003) Professor, Lyndon B. Johnson Centennial Chair in National Policy The University of Texas at Austin

Robert T. Jenkins (2005, 2015)

Kent Kresa (1994, 2010) Chair Emeritus

Chairman Emeritus Northrop Grumman Corporation

Ronald K. Linde (1989, 2012) Independent Investor; Chair, The Ronald and Maxine Linde Foundation; Founder/Former Chief Executive

Officer, Envirodyne Industries, Inc.

A. Michael Lipper (2005, 2007) President and Chief Executive Officer Lipper Advisory Services

Shirley M. Malcom (1999, 2018) Senior Advisor and Director of SEA Change American Association for the Advancement of Science

Richard N. Merkin (2007, 2018) Founder and Chief Executive Officer Heritage Provider Network

Michael G. Mullen (2019) President MGM Consulting LLC

Patrick H. Nettles, Jr. (1998, 2015) Executive Chairman Ciena Corporation

Peter Norton (2006, 2015) Norton Family Office

Ronald L. Olson (1998, 2013) Senior Partner Munger, Tolles & Olson LLP

Stephen R. Onderdonk (1986, 2016) President and Chief Executive Officer (Retired) Econolite Control Products. Inc.

Stewart A. Resnick (2005, 2008) Chairman and President The Wonderful Company

Charles R. Trimble (2002, 2013)
Founder and Former Chief Executive
Officer
Trimble Navigation Ltd.

Lewis W. van Amerongen (2004, 2012) LvA Enterprises, Inc.

Suzanne H. Woolsey (2006, 2013) Corporate Governance Consultant

#### LIFE MEMBERS

(with date of first election and date of election as Life Member)

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

Donald L. Bren (1983, 2004) Chairman of the Board Irvine Company

John E. Bryson (2005, 2017)

Harry M. Conger (1985, 2006) Chairman & Chief Executive Officer, Emeritus Homestake Mining Company

Camilla C. Frost (1977, 2007) Trustee of the Chandler Trust (Retired)

Arthur L. Goldstein (1995, 2012) Chairman and Chief Executive Officer (Retired) Ionics, Incorporated

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

York Liao (1997, 2018) Managing Director Winbridge Company Ltd.

Gordon E. Moore (1983, 2009) Chair Emeritus Chairman Emeritus Intel Corporation

Sidney R. Petersen (1980, 2007) Chairman and Chief Executive Officer (Retired) Getty Oil Company

Nelson C. Rising (2006, 2019) Chairman Rising Realty Partners

Arthur Rock (1988, 1998)
Principal
Arthur Rock and Company

Benjamin M. Rosen (1986, 2005) Chair Emeritus Chairman Emeritus Compaq Computer Corporation Richard M. Rosenberg (1989, 2007) Chairman and Chief Executive Officer (Retired)

Bank of America Corporation

Robert J. Schultz (1991, 2002) Vice Chairman (Retired) General Motors Corporation

Dennis Stanfill (1976, 1999) Dennis Stanfill Company

Marc I. Stern (2004, 2017) Chairman The TCW Group, Inc.

Walter L. Weisman (1988, 2021)
Past Chairman and
Chief Executive Officer
American Medical International. Inc.

Virginia V. Weldon (1996, 2010) Senior Vice President for Public Policy (Retired) Monsanto Company

Gayle E. Wilson (1995, 2020) Nonprofit Consultant

#### HONORARY LIFE MEMBER

Betty I. Moore (2009) Co-Founder Gordon and Betty Moore Foundation

#### STANDING COMMITTEES

Executive Committee - D. L. Lee\*. Chair; R. K. Linde\*, Vice Chair; R. Belldegrun, J.C. Campagna, R. B. Chess\*, J. B. Kutler\*, T. W. Lawrence\*, S. M. Malcom\*, D. D. McWhinney\*, A. R. Mehran, Sr.\*, T. F. Rosenbaum\*, Timothy J. Sloan\*, D. W. Thompson\*, S. H. Woolsey\*; At Large Members: B. M. Bren, W. H. Davidow, J. S. Friedman, B. R. Inman, L.D. James; K. Kresa, A. Lidow, P. M. Neches; Consulting Participants: G. E. Moore, B. M. Rosen, G. E. Wilson; Standing Attendees: D. A. Bailey, Jr., K. M. Gilmartin, D. Jergovic, C. A. Light, J. T. Lum, S. H. Richland, M. Steurbaut, D. A. Tirrell

Audit and Compliance Committee—D. W. Thompson, Chair; R. C. Bonner, Vice Chair; W. H. Ahmanson, L. Kirkbride, D. L. Lee\*, A. Lidow, R. K. Linde, A. M. Lipper, D. D. McWhinney, P. M. Neches, S. R. Onderdonk; Standing Attendees: S. Atlee, D. A. Bailey, Jr., M. W. Brewer, L. D. James, D. Jergovic, S. A. Kayali, P. D. Koyzis, C. A. Light, J. T. Lum,

S. E. Patterson, S. H. Richland, T. F. Rosenbaum, M. Steurbaut, D. A. Tirrell

Conflict Review Subcommittee [A subcommittee of ACC Committee]—D. W. Thompson, Chair ex officio; J. C. Campagna, R. B. Chess, J. B. Kutler, R. K. Linde, P. M. Neches, P. Norton, S. R. Onderdonk; Standing Attendees: C. A. Light, J. T. Lum

**Buildings and Grounds** 

Committee—A. R. Mehran, Sr., Chair; K. G. Moore, Vice Chair; L. M. Dyer, T. E. Everhart, R. T. Jenkins, D. L. Lee\*, S. R. Onderdonk, P. J. Pizarro, T. F. Rosenbaum\*, L. W. van Amerongen; Standing Attendees: D. A. Bailey, Jr., K. M. Gilmartin, K. Hargreaves, D. Jergovic, C. A. Light, J. T. Lum, J. S. Onderdonk, S. H. Richland, M. Steurbaut, D. A. Tirrell

Business and Finance Committee—S. H. Woolsey, Chair; P. J. Pizarro, Vice Chair; B. M. Barrett, F. Còrdova, T. E. Everhart, P. D. Kaufman, W. G. Kortschak, K. Kresa, T. W. Lawrence, D. L. Lee\*, A. Lidow, R. K. Linde, A. M. Lipper, S. M. Malcom, D. D. McWhinney, K. G. Moore, P. M. Neches, T. F. Rosenbaum\*, D. W. Tang, L. W. van Amerongen, R. A. Wolf; Consulting Participant: H. M. Conger; Standing Attendees: D. A. Bailey, Jr., D. Jergovic, S. A. Kayali, C. A. Light, J. T. Lum, J. M. McCallin, S. E. Patterson, S. H. Richland, M. Steurbaut, D. A. Tirrell

Development Committee — J. C. Campagna, Chair; E. A. Repetto, Vice Chair; L. A. Booth, P. T. Cherng, W. H. Davidow, M. D. Hummer-Tuttle, R. T. Jenkins, P. D. Kaufman, W. G. Kortschak, K. Kresa, D. L. Lee\*, M. J. Mathews-Spradlin, D. D. McWhinney, T. F. Rosenbaum\*, D. W. Tang, R. A. Wolf; Standing Attendees: D. A. Bailey, Jr., S. M. Chabner, M. R. Clark, D. Jergovic, C. A. Light, J. T. Lum, S. H. Richland, D. A. Tirrell

Executive Compensation
Committee — T. W. Lawrence, Chair;
R. K. Linde, Vice Chair; B. M. Barrett,
G. B. Jones, D. L. Lee\*, A. Lidow, S.
M. Malcom, P. M. Neches; Standing
Attendees: C. A. Light, J. M. McCallin, T.
F. Rosenbaum

Institute and Alumni Relations Committee—S. M. Malcom, Chair; E. A. Repetto, Vice Chair; W. H. Davidow, L. M. Dyer, W. T. Gross, R. T. Jenkins, L. Kirkbride, D. L. Lee\*, M. J.

<sup>\*</sup> ex officio member

Mathews-Spradlin, P. M. Neches, S. R. Onderdonk, T. F. Rosenbaum"; Ex Officio Standing Attendees: Alumni Association President, Caltech Fund Chair, Caltech Associates President, Faculty Chair; Standing Attendees: R. E. Amos, D. A. Bailey, Jr., D. Binney, S. M. Chabner, M. R. Clark, K. M. Gilmartin, K. Hargreaves, D. Jergovic, C. A. Light, J. T. Lum, S. H. Richland, M. Steurbaut, D. A. Tirrell

Investment Committee — T. J. Sloan, Chair; R. K. Linde, Vice Chair; J. S. Friedman, G. B. Jones, D. L. Lee\*, Li Lu, A. M. Lipper, T. F. Rosenbaum\*; Advisory Participants: S. Schnabel, L. N. West; Standing Attendees: D. A. Bailey, Jr., C. A. Light, S. H. Richland, M. Steurbaut, D. A. Tirrell, P. I. Wang

#### Jet Propulsion Laboratory

Committee-J. B. Kutler, Chair; M. G. Mullen, Vice Chair; S. Bailey, B. M. Barrett, R. C. Bonner, D. E. Chavez, F. Còrdova, D. T. Dreier, L. M. Dyer, T. E. Everhart, F. J. Hameetman, B. R. Inman, L. Kirkbride, T. W. Lawrence, D. L. Lee\*, Li Lu, M. J. Mathews-Spradlin, D. D. McWhinney, A. R. Mehran, Sr., R. N. Merkin, P. M. Neches, P. Norton, R. L. Olson, S. R. Onderdonk, D. E. I. Pvott. S. A. Resnick, T. F. Rosenbaum\*, D. W. Thompson, C. R. Trimble, R. A. Wolf, S. H. Woolsey; Consulting Participants: G. E. Moore, G. E. Wilson; Standing Attendees: S. Atlee, D. A. Bailey, Jr., D. B. Gallagher, K. Hargreaves, L. D. James, D. Jergovic, C. A. Light, J. T. Lum. S. H. Richland, M. Steurbaut, D. A Tirrell

JPL Governance Subcommittee [A subcommittee of the JPL Committee] –J. B. Kutler, Chair ex officio; M. G. Mullen, Vice Chair; B. M. Barrett, B. R. Inman, K. Kresa, T. W. Lawrence, D. L. Lee\*, T. F. Rosenbaum\*, D. W. Thompson\*; Standing Attendees: L. D. James, D. Jergovic, P. D. Koyzis, C. A. Light, J. T. Lum, M. Steurbaut, D. A. Tirrell

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Belldegrun, Chair; B. M. Bren, Vice
Chair; A. Lidow, Vice Chair; S. Bailey, B.
M. Barrett, L. A. Booth, J. S. Chen, N. K.
Gupta, D. D. Ho, M. D. Hummer-Tuttle,
B. R. Inman, G. B. Jones, L. Kirkbride,
D. L. Lee\*, R. K. Linde, M. J. MathewsSpradlin, D. D. McWhinney, R. N.
Merkin, R. L. Olson, T. F. Rosenbaum\*,
D. W. Tang, R. A. Wolf, S. H. Woolsey;
Consulting Participants: V. V. Weldon,
G. E. Wilson; Standing Attendees: D.

A. Bailey, Jr., B. Fegan, D. Jergovic, C. A. Light, J. T. Lum, S. H. Richland, D. A. Tirrell

Student Experience Committee—D.
D. McWhinney, Chair; D. E. Chavez,
R. B. Chess, L. M. Dyer, W. T. Gross,
R. T. Jenkins, L. Kirkbride, D. L. Lee\*,
S. M. Malcom; M. G. Mullen, P. M.
Neches, P. H. Nettles Jr., P. Norton, T.
F. Rosenbaum\*, R. H. Scheller, D. W.
Thompson, C. R. Trimble, S. H. Woolsey;
Consulting Participant: V. V. Weldon;
Standing Attendees: D. A. Bailey, Jr., D.
Chan, K. L. Gilmartin, D. Jergovic, C. A.
Light, J. T. Lum, L. Nye, S. H. Richland,
D. A. Tirrell, C. A. Weinstein; Student
Advisory Participants: Pending

Technology Transfer Committee—R. B. Chess, Chair, R. A. Wolf, Vice Chair; R. Belldegrun, D. E. Chavez, P. T. Cherng, D. T. Dreier, L. M. Dyer, W. T. Gross, N. K. Gupta, B. K. Hagopian, D. D. Ho, R. T. Jenkins, L. Kirkbride, W. G. Kortschak, J. B. Kutler, D. L. Lee\*, P. M. Neches, P. H. Nettles, Jr., P. Norton, D. E. I. Pyott, S. A. Resnick, T. F. Rosenbaum\*, R. H. Scheller, D. W. Tang, C. R. Trimble, L. W. van Amerongen; Consulting Participant: A. L. Goldstein; Standing Attendees: D. A. Bailey, Jr., K. Bhattacharya, F. Farina, D. Jergovic, C. A. Light, J. T. Lum, S. H. Richland, M. Steurbaut, D. A. Tirrell

\*ex officio member

# ADMINISTRATIVE OFFICERS



Thomas F. Rosenbaum President



David A. Tirrell Provost

Steven Atlee Deputy General Counsel

Dexter A. Bailey, Jr.
Vice President for Advancement and
Alumni Relations

Kaushik Bhattacharya Vice Provost

Geoffrey A. Blake Chair of the Faculty

Shayna M. Chabner Chief Communications Officer

David C. Chan
Dean of Graduate Studies

Jin Chang Chief Information Officer

Michelle R. Clark Associate Vice President for Development

Michelle Effros Vice Provost

Frederic Farina Chief Innovation and Corporate Partnerships Officer

Grace C. Fisher-Adams Chief Research Policy Officer

Kevin M. Gilmartin Vice President for Student Affairs

Kenneth Hargreaves
Assistant Vice President, Strategy
Implementation and External Relations

General Larry D. James
Deputy Director, Interim Vice President
and Director, Jet Propulsion Laboratory

Diana Jergovic Vice President, Strategy Implementation

Pamela D. Koyzis

Associate Vice President of Audit Services and Institute Compliance

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Jennifer T. Lum General Counsel

Lindsey E. Malcom-Piqueux Assistant Vice President of Diversity, Equity, Inclusion and Assessment

**David J. Mayo**Senior Director of Research Administration

Julia M. McCallin Associate Vice President for Human Resources

Lesley Nye Interim Dean of Undergraduate Students

John S. Onderdonk Interim Associate Vice President for Facilities

Sharon E. Patterson Associate Vice President for Finance and Treasurer

Scott H. Richland Chief Investment Officer

Carol J. Schuil
Executive Assistant to the President,
and Assistant Secretary, Board of
Trustees

Margo Steurbaut Vice President of Administration and Chief Financial Officer

#### **CHAIRS OF DIVISIONS**

Harry A. Atwater Engineering and Applied Science

Dennis A. Dougherty Chemistry and Chemical Engineering

John P. Grotzinger Geological and Planetary Sciences

Fiona A. Harrison Physics, Mathematics and Astronomy

744

Officer

Richard M. Murray Biology and Biological Engineering

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)—R. A. Andersen, Chair, M. Meister, Vice Chair; J. Brackman, J. Campbell (alternate), G. Fisher-Adams, H. Heinen, (alternate), E. Hisserich (alternate), L. C. Hsieh-Wilson, K. C. Lencioni\*, C. Lois (alternate), D. J. Mayo\*, L. E. Quenee\*, J. Scapa\*, C. W. Scislowicz\* (alternate), T. Shirey, N. Singh (alternate), Advisor: J. T. Lum (or her designee)

Benefits (Reports to the Vice President of Administration and Chief Financial Officer)—P. T. Hoffman, Chair; A. Boladian, K. Bradshaw\*, B. Clemons, R. Fradet, C. Hart\*, M. Jaross\*, A. Leonard, L. Livesay, J. M. McCallin\*, L. Moffit\*, S. E. Patterson\*, R. M. Roessler\*, A. I. Sargent, S. Scoville

Biosafety [fills the role of Caltech's Institutional Biosafety Committee—IBC] (Reports to the Provost)—J.
D. Leadbetter, Chair; A. Aravin, S.
Chatterjee, C. Cortese, A. Grossman, F. Hanner, E. Hisserich, A. Hoelz (alternate), R. Ismagilov, K. Lencioni\*, D. J. Mayo, L. Quenee\*, J. Scapa\* (alternate), C. Scislowicz\*, T. Shirey, N. Singh (alternate), Advisor: J. T. Lum (or her designee)

Committee on Classified Research and Publication Restrictions at JPL (Reports to the President)—D. I. Meiron, Chair; D. Gallagher, R. Murray, T. A. Prince, M. Simons, P. O. Wennberg, J. Zmuidzinas

Computing Advisory Committee (Reports to the Provost and the Vice President of Administration and Chief Financial Officer)—M. Spiropulu, Chair; K. Bhattacharya\*, G. K. Chan, J. Chang\*, T. Colonius, M. Hari‡, C. Horii, E. O'Reilly§, S. E. Patterson\*, Z. Ross, M. S. Shum, L. Qian

Committee on Undergraduate Education (Reports to the Provost)—C. A. Weinstein\*. Chair: K. Batygin, G. Blake, W. Brown\*, K. M. Gilmartin, C. Horii, M. Okumura, C. Parker, D. Prober, G. Refael, C. Salinas\*, M. Wang\*

Environmental Health and Safety (Reports to the President)—D. A. Tirrell, Chair; K. Bhattacharya, J. S. Onderdonk\*,K. M. Gilmartin, P. D. Koyzis\*, C. Scislowicz\*, M. Steurbaut

Institute Academic Council (IACC)— David A. Tirrell, Chair; H. A. Atwater, D. A. Dougherty, J. P. Grotzinger, F. Harrison, R. Murray, T. F. Rosenbaum, J-L Rosenthal

Institute Administrative Council (IAC)—T. F. Rosenbaum, Chair; S. Atlee, H. A. Atwater, D. Bailey, K. Bhattacharya, G. Blake, S. Chabner, D. Chan, J. Chang, M. Clark, D. Dougherty, F. Farina, G. Fisher-Adams, K. M. Gilmartin, J. P. Grotzinger, K. Hargreaves, F. A. Harrison, L. D. James, D. Jergovic, P. D. Koyzis, C. A. Light, J. T. Lum, L. Malcom-Piqueux, D. Mayo, J. M. McCallin, R. Murray, L. Nye, J. Onderdonk, S. E. Patterson, S. H. Richland, J-L Rosenthal, C. Schuil, M. Steurbaut, D. A. Tirrell, C. A. Weinstein

Institute Art (Reports to the President)—T. Schneider, Chair, J-P Avouac, J. Buchwald, P. Collopy\*, M. Elowitz, K. T. Faber, K. Hargreaves\*, D. Kremers, P. Perona

President's Diversity Council (Reports to the President through the Provost)—W. M. Clemons, Jr., Chair, A. Emami, J. P. Grotzinger,, D. Hsieh, L. Malcom-Piqueux, V. J. Orphan, R. Ravichandran, B. Stolz, C. Weinstein\*, N. Wey-Gomez, B. Wold

Protection of Human Subjects
[fills the role of Caltech's Institutional
Review Board—IRB] (Reports to
the Vice Provost for Research)—R.
Adolphs, Chair; C. Yang, Vice Chair; R.
A. Andersen, J. Ensminger, M. Ewens,
G. Fisher-Adams, M. J. Gibson,
J. Gumer, E. Hisserich (alternate),
M. Manzanares, L. Quenee\*, C. W.
Scislowicz\*, T. Shirey, N. Singh (alternate), J. M. Tyszka\*, Advisor: J. T. Lum
(or her designee)

Radiation Safety (Reports to the Vice President of Administration and Chief Financial Officer)—D. S. Burnet, Chair; B. W. Filippone, Vice Chair; B. Fultz, H. Issaian\*, A. Kumagai, C. Scislowicz\*, S. Shan

**SURF** (Reports to the Provost)—R. Murray, Chair, G. Blake, M. Bronner, D. Crewell\*, K. M. Gilmartin\*, M. Gonzalez\*, E. Mantovan, A. Ponce, M. B. Robbins\*, C. Rypisi\*, B. Stolz, T. Tisch\*

\* ex officio member

† representing graduate students *‡* representing undergraduate students § representing postdoctoral scholars

### **FACULTY OFFICERS** AND COMMITTEES 2021-22

#### Officers

Chair: G. A. Blake, 2022 Vice Chair: E. Rothenberg, 2022 Secretary: B. M. Stoltz, 2023

#### **Faculty Board**

K. Batygin, 2022

C. Daraio, 2023

J. M. Eiler, 2023

A. Emami, 2022

G. C. Fu, 2024

B. Fultz, 2024

D. Gilmore, 2022

S. Golwala, 2024 A. Hoelz. 2022

L. C. Hsieh-Wilson, 2023

J. Jahner, 2024

M. Marcolli, 2023

C. Martin, 2023 M. Meister, 2022

L. S. Pachter, 2024

S. Pellegrino, 2023

F. C. Porter, 2022

G. R. Rossman, 2022

M. Zernicka-Goetz, 2024

#### Ex Officio:

H. A. Atwater

D. C. Chan

D. A. Dougherty

K. M. Gilmartin

J. P. Grotzinger F. A. Harrison

R. M. Murray

L. Nve T. F. Rosenbaum

J-L. Rosenthal

D. A. Tirrell

#### Steering

G. A. Blake, Chair, 2022

E. Rothenberg, Vice Chair, 2022

B. M. Stoltz, Secretary, 2023

\*ex officio member

K. Bhattacharva\*

C. Daraio, 2022

M. Effros\* D. Gilmore, 2022

C. Martin, 2022

M. Meister, 2022 S. Pellegrino, 2022

D. A. Tirrell\*

#### Academic Freedom and Tenure

D. L. Kormos-Buchwald, 2023

A. J. Minnich, 2022

K. Batygin, 2022

S. L. Mayo 2023

B. J. McKeon, 2023 C. M. Umans, 2022

#### **Academic Policies**

C. S. Parker, Chair, 2024

F. Eberhardt, 2024

P. Schroeder, 2024

#### **Athletics and Physical Education**

T. K. Dennison, Chair, 2022

J. S. Bois, 2024

M. E. Brown, 2022

J. Fuller. 2023 B. Mitchell\*

A. M. Pallie\*

B. M. Stoltz. 2024

K. M. Zuev, 2023

#### Convocations

W. C. Brown, Chair, 2023

D. C. Chan\*

L. Nye\*

D. Ramakrishnan, 2024

#### Core Curriculum Steering

M. Okumura, Chair, 2024

A. Blank, 2024

M. E. Brown, 2023

C. W. Cheung, 2024

F. M. Echenique, 2023

C. Jurca, 2023

N. H. Katz, 2023

L. Nye\*

C. Salinas\*

A. Wierman, 2024

K. G. Zinn. 2022

#### Curriculum

G. Refael, Chair, 2022

T. Agapie, 2024

D. I. Meiron, 2023

L. Nye\*

L. S. Pachter, 2023

E. M. Rains, 2022

C. Salinas\*

A. F. Thompson, 2022

# Committee on Exchange Programs N. Gilmore (non-voting) and Study Abroad (CEPSA) H. B. Newman, Chair, 2024

F. Brandao, 2024

C. Daraio, 2023

M. D. Dvkstra, 2024

I. Peter. 2023

S. R. Quartz, 2022

C. Salinas\*

P. Schroeder, 2023

L. B. Stolper\*

#### Foreign Students and Scholars A. F. Thompson\*

A. Hoelz, Chair, 2024

Y. Abu-Mostafa, 2024

C. Daraio, 2024

C. Frankenberg, 2022

D. Mawet, 2023

I. Smith\*

Y. Xin 2023

M. Zernicka-Goetz, 2023

#### Freshman Admissions and Financial Aid

J. R. Leadbetter, Chair, 2022

J. L. Beauchamp, 2024

A. Blank, 2023

G. Blanquart, 2023

J. Callies, 2024

C. F. Camerer, 2022

M. A. Chang\*

X. Chen, 2023

J. Cvitanic, 2024

S. G. Djorgovski, 2024

W. G. Dunphy, 2024

R. C. Flagan, 2024

G. A. George, 2022

D. Gilmore, 2024

L. A. Goentoro, 2024

J. R. Greer. 2024

L. Hillenbrand, 2022

J. Kirschvink, 2022

K. G. Libbrecht, 2024

M. Meister, 2023

L. Nve\*

A. M. Pallie\*

C. S. Parker, 2024

S. R. Quartz, 2024

M. C. Vanier, 2024

D. P. Weitekamp, 2024

B. P. Wernicke, 2024

A. Wierman, 2024

#### Graduate Studies

N. Lapusta\*, Chair

A. D. Ames\*

L. Cai\*

D. C. Chan\*

W. M. Clemons\*

K. T. Faber\*

A. Faraon\*

C. Frankenberg\*

K. P. Giapis\*

L. Hillenbrand\* A. V. Hirsch\*

V. Kostina\*

H. A. Lester\*

D. I. Meiron\*

Y. Ni\* J. P. O'Doherty\* R. B. Patterson\*

D. Prober\*

P. Schroeder\*

A. G. Siapas\*

B. M. Stoltz\*

C. M. Umans\* L. Wang\*

Y. Yue\*

#### Health

H. A. Lester, Chair, 2022

J. L. Beauchamp, 2022

D. C. Chan\*

J. L. Howes\*

A. P. Ingersoll, 2022

C. Jurca, 2023

E. Mantovan, 2024 J. M. McCallin\*

B. Mitchell\*

L. Nye\*

#### Institute Programs

J. M. Eiler, 2023

D. A. Bailey\*

B. Brophy\*

J. Cvitanic, 2023 L. C. Hsieh-Wilson, 2022 L. S. Pachter, 2022

P. Perona, 2024

#### Library

B. A. Hay, Chair, 2022

C. E. Bucholz, 2022

B. Fultz. 2023

W. A. Goddard, 2022

H. B. Newman, 2024

M. S. Shum. 2023

K. Whatley\*

#### Membership and Bylaws

E. Rothenberg, Chair, 2022

D. Asimaki, 2024

R. C. Flagan, 2022

S. R. Kulkarni, 2023

G. W. Pigman III, 2022

J. M. Stock, 2024

B. M. Stoltz\*

#### Nominating

G. R. Rossman, Chair, 2022

C. Daraio, 2023

T. K. Dennison, 2022

E. S. Phinney, 2022

B. M. Stoltz\* K. G. Zinn, 2023

<sup>\*</sup>ex officio member

#### Patents and Relations with Industry

J. O. Dabiri, Chair, 2023

A. Emami, 2023

M. Guttman, 2023

K. See. 2024

B. M. Stoltz, 2022

C. Yang, 2022

#### **Postdoctoral Scholars**

K. Bhattacharya, Chair

J. F. Alicea

K. Batygin

G. K. Chan

P. F. Hopkins

A. Kechris

J. P. O'Doherty

L. S. Pachter

A. Santana\*

C. M. Umans

#### Student Life and Housing

A. Rangel, Chair, 2023

D. Asimaki, 2023

D. C. Chan\*

J. M. Jackson, 2023

T. N. Mannion (non-voting)

B. Mitchell\*

L. Nye\*

R. B. Patterson, 2024

E. S. Phinney, 2022

# Undergraduate Academic Standards and Honors

W. C. Brown, Chair, 2022

R. C. Flagan, 2022

M. Guttman, 2024

N. R. Hutzler, 2024 J. M. Jackson, 2022

L. Nye\*

R. B. Patterson, 2024

S. Pellegrino, 2022

C. Salinas\*

K. C. Schwab, 2022

#### **Upperclass Admissions**

D. Asimaki, Chair, 2022

B. W. Filippone, 2024

J. A. Jahner, 2022

B. J. McKeon, 2022

C. Salinas\*

D. P. Weitekamp, 2022

Y. L. Yung, 2022

\*ex officio member

#### 749

### STAFF OF INSTRUCTION AND RESEARCH

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Michael H. Dickinson, Ph.D. Executive Officer

Dianne Newman, Ph.D. Executive Officer

Niles Pierce, Ph.D. Executive Officer

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Charles J. Brokaw, Ph.D. Biology

John J. Hopfield, Ph.D. Roscoe G. Dickinson Professor of Chemistry and 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

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John M. Allman, Ph.D. Frank P. Hixon Professor of Neurobiology

Richard A. Andersen, Ph.D. James G. Boswell Professor of Neuroscience; T&C Brain-Machine Interface Leadership Chair; Director, T&C Brain-Machine Interface Center David J. Anderson, Ph.D.<sup>1</sup> Seymour Benzer Professor of Biology; Tianqiao and Chrissy Chen Institute for Neuroscience Leadership Chair, Director, Tianqiao and Chrissy Chen Institute for Neuroscience

Alexei A. Aravin, Ph.D. Biology,

Frances H. Arnold, Ph.D., Nobel Laureate Linus Pauling Professor of Chemical

Linus Pauling 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 President Emeritus; Distinguished Professor of Biology

Pamela J. Bjorkman, Ph.D. David Baltimore Professor of Biology and Bioengineering; Merkin Institute Professor; Executive Officer for Biology and Biological Engineering

Marianne Bronner, Ph.D. Distinguished Professor of Biology; Director of the Beckman Institute

Long Cai, Ph.D. Biology and Biological Engineering

Judith L. Campbell, Ph.D. Chemistry and Biology

David C. Chan, M.D., Ph.D. *Biology* 

Michael H. Dickinson, Ph.D. Esther M. and Abe M. Zarem Professor of Bioengineering and Aeronautics, Executive Officer for Biology and Biological Engineering

William G. Dunphy, Ph.D. Grace C. Steele Professor of Biology

Michael Elowitz, Ph.D.<sup>1</sup> Biology and Bioengineering

Lea Goentoro, Ph.D. Biology

Viviana Gradinaru, Ph.D. Neuroscience and Biological Engineering; Director, Center for Molecular and Cellular Neuroscience

Mitchell Guttman, Ph.D. Biology

<sup>&</sup>lt;sup>1</sup> Joint appointment with Howard Hughes Medical Institute

Bruce A. Hay, Ph.D. Biology

Rustem 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

Grant J. Jensen, Ph.D. Biophysics and Biology

Mary B. Kennedy, Ph.D. Allen and Lenabelle Davis Professor of Biology

Henry A. Lester, Ph.D. Biology

Stephen L. Mayo, Ph.D. Bren Professor of Biology and Chemistry; Merkin Institute Professor

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

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Dianne K. Newman, Ph.D. Gordon M. Binder/Amgen Professor of Biology and Geobiology; Executive Officer for Biology and Biological Engineering

Yuki Oka, Ph.D. Biology; Investigator, Heritage Medical Research Institute

Victoria J. Orphan, Ph.D.
James Irvine Professor of Environmental Science and Geobiolgy; Allen V.C.
Davis and Lenabelle Davis Leadership Chair, Center for Microbial Interactions; Director, Center for Microbial Interactions

Lior S. Pachter, Ph.D. Bren Professor of Computational Biology and Computing and Mathematical Sciences Robert B. Phillips, Ph.D.

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Niles A. Pierce, Ph.D.

Professor of Applied and Computational Mathematics and Bioengineering, Executive Officer for Biology and Biological Engineering

David Prober, Ph.D. Biology

Lulu Qian, Ph.D. Bioengineering

Ellen Rothenberg, Ph.D.
Distinguished Professor of Biology

Michael L. Roukes, Ph.D. Frank J. Roshek Professor of Physics, Applied Physics, and Bioengineering

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

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Doris Ying Tsao, Ph.D.¹ Biology; T&C Chen Center for Systems Neuroscience Leadership Chair; Director, T&C Chen Center for Systems Neuroscience

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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. Thomas G. Myers Professor of Electrical Engineering, Bioengineering, and Medical Engineering

Magdalena Zernicka-Goetz, Ph.D. Bren Professor of Biology and Biological Engineering

Trustees, Administration, Faculty

<sup>&</sup>lt;sup>1</sup> Joint appointment with Howard Hughes Medical Institute

751

Kai Zinn, Ph.D. Howard and Gwen Laurie Smits Professor of Biology

#### **Assistant Professors**

Elizabeth J. Hong, Ph.D. Assistant Professor of Neuroscience; Chen Scholar

Joseph Parker, Ph.D. Biology and Biological Engineering

Matt Thomson, Ph.D. Computational Biology; Investigator, Heritage Medical Research Institute

David Van Valen, Ph.D. Biology and Biological Engineering, Investigator, Heritage Medical Research Institute

Rebecca M. Voorhees, Ph.D. Biology and Biological Engineering; Investigator, Heritage Medical Research Institute

Kaihang Wang, Ph.D. Biology and Biological Engineering

#### Senior Research Associate Emeriti

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

#### Lecturers

Lindsay Bremner, Ph.D. Andres Collazo, Ph.D. Roman A. Corfas, Ph.D. Julie Hoy, Ph.D. Danny Petrasek, M.D., Ph.D. Ueli Rutishauser, Ph.D. Carol Chace Tydell, D.V.M

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Katalin Fejes Toth, M.D., Ph.D.
David M. Glover, Ph.D.
Akiko Kumagai, Ph.D.
Carlos Lois, M.D., Ph.D.
Isabelle S. Peter Lashgari
Faghani, Ph.D.
Daniel A. Wagenaar, Ph.D.

#### Research Assistant Professor

Alina Patke, Ph.D.

Teaching Professor

Justin S. Bois. Ph.D.

**Senior Faculty Associate** 

Alice S. Huang, Ph.D.

Moore Distinguished Scholar

Bingni Wen Brunton, Ph.D.

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Vasileios Nikolaos Christopoulos, Ph.D. Jason Chu, Ph.D. Raymond Deshaies, Ph.D. Wael El-Nachef, Ph.D. Pamela Eversole-Cire, Ph.D Maxellende Ezin, Ph.D. Jordi Garcia-Oialvo, Ph.D. Elaine Hsiao, Ph.D Collin Kieffer, Ph.D. Brian Lee, M.D., Ph.D. Carmel Levitan, Ph.D. Charles Liu. M.D., Ph.D. Uri Maoz. Ph.D. Derrick Morton, Ph.D. Carmie Puckett Robinson, M.D. Animesh Rav. Ph.D. Carol W. Readhead, Ph.D. Ueli Rutishauser, Ph.D. Luis Oscar Sanchez Guardado, Ph.D. Daniel Schwartz, M.D. Mohammad Hassan Abdelrahman Shehata, Ph.D. Amber Stubler, Ph.D. Tsu-Te Judith Su. Ph.D. Armand R. Tanguay, Ph.D. Michael Waterman, Ph.D.

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<sup>&</sup>lt;sup>1</sup> Joint appointment with Howard Hughes Medical Institute

#### **Postdoctoral Scholars**

Fabai Wu, Ph.D.

Zsuzsa Akos, Ph.D. Reinaldo Alcalde, Ph.D. Michael Anaya, Ph.D. Andrey Andreev Ph.D. Aswini Babu, Ph.D. Min Bao. Ph.D. Amir H. Behbahani, Ph.D. Kallol Bera, Ph.D. David Bjanes, Ph.D. Máté Borsos, Ph.D. John Bostick Ph.D. Adrian Brueckner, Ph.D. Katherine Brugman, Ph.D. Elsy C. Buitrago Delgado, Ph.D. Mengyi Cao, Ph.D. Irene Caprara, Ph.D. Kate Cavanaugh, Ph.D. Cvnthia Chai, Ph.D. Yogaditya Chakrabarty, Ph.D. Dong-Yuan Chen, Ph.D. Natalie Chen, Ph.D. Zibo Chen, Ph.D. Kai-Wen Cheng, Ph.D. Hui Chiu, Ph.D. George Chreifi, Ph.D. Alexander Cohen, Ph.D. Kurt M. Dahlstrom, Ph.D. Daniel Dar, Ph.D. Carla De Agostini Verna, Ph.D.1 Avvappa Raia Desingu Raian, Ph.D. Kristina Verena Dylla, Ph.D. Haruka Ebisu. Ph.D. Brittany Edens, Ph.D. Chee Huat Eng, Ph.D. Chengcheng Fan, Ph.D. Christopher J. Fiorese, Ph.D. Abraham Flamholz, Ph.D. Jorge Arturo Gamez de Leon, Ph.D. Shashank Gandhi, Ph.D. Hannah Greenfeld, Ph.D. Bo Gu Ph.D.

Yonaxi Hu. Ph.D. Alison Inglis, Ph.D Jihyun Irizarry, Ph.D. Uriah Israel, Ph.D. Joanna Jachowicz, Ph.D. Min Jee Jang, Ph.D. Seonamin Jana, Ph.D. Yamini Jangir. Ph.D. Maulik Jani, Ph.D. Yan Jin, Ph.D. Anat Kahan, Ph.D. Jessleen Kanwal, Ph.D. Mohammed Kaplan, Ph.D. Tomomi Karigo, Ph.D. Tahmineh Khazaei, Ph.D. Sheila Kitchen, Ph.D. Heidi Klumpe, Ph.D. Erin Koch, Ph.D. Levente Kovacs, Ph.D. Anton Kuzmenko, Ph.D. Dongyang Li, Ph.D. Shan Li, Ph.D. Zachery Lonergan Ph.D. Ke Lyu, Ph.D. Duo Ma, Ph.D. Stefano Maggi. Ph.D. Vishal Maingi, Ph.D. Sierra Marable, Ph.D. Darcy McRose, Ph.D. Erick Moen, Ph.D. Krithika Mohan, Ph.D. George Mountoufaris, Ph.D.1 Ranjani Murali, Ph.D. Agota Nagy, Ph.D. Susan Newcomb, Ph.D. Aaron L. Nichols, Ph.D. William Nicolas, Ph.D. Sumner Norman, Ph.D. Aki Ohdera, Ph.D. Youcef Ouadah, Ph.D. Pallavi Panda, Ph.D. Elena Perry, Ph.D. Alon Philosof, Ph.D. Tino Pleiner, Ph.D. Michal Polonsky, Ph.D. Rachel Rosenzweig Ph.D. Yuan Ruan, Ph.D.1 Sofia Sakellardi, Ph.D. Lindsey Salay, Ph.D.1 Estefania Sanchez Vasquez, Ph.D. Scott Saunders Ph.D. Dominic Scalise, Ph.D. Dominik Schildknecht, Ph.D. Aubrey Schonhoff, Ph.D. Henry L. Schreiber IV. Ph.D. Shahriar Shadkhoo Ph.D. Boyoung Shin, Ph.D. Tom Sidwell, Ph.D. Kvobi Skutt-Kakaria, Ph.D. Tatiana Solovieva, Ph.D. Tianqi Song, Ph.D. Georgia Squyres, Ph.D. Argyrios Stefanos Stagkourakis, Ph.D.

752

Livia Hecke Morais. Ph.D.

Richard Felix Horns, Ph.D.1

<sup>&</sup>lt;sup>1</sup> Joint appointment with Howard Hughes Medical Institute

Jan Stundl Ph.D. Jinaiina Sun. Ph.D. Russell Swift, Ph.D. Sarolta Szentes, Ph.D. Yodai Takei, Ph.D. Chieh-Hsiang Tan Ph.D. Qing Tang, Ph.D. Halil Tekin, Ph.D. Carsten Tischbirek, Ph.D. Huy Ngoc Steven Tran, Ph.D. Melissa Truong, Ph.D. Zeynep Turan, Ph.D. Chelsey VanDrisse, Ph.D. Amit Vinograd, Ph.D. Xuan Wan, Ph.D. Bo Wang, Ph.D. Jamie Wangen, Ph.D. Brandon Weissbourd, Ph.D. Joseph Wekselblatt, Ph.D. Jin Xu, Ph.D. Shuwa Xu, Ph.D. Takako Yamamoto, D.D.S, Ph.D. Fan Yang, Ph.D. Zhe Yang, Ph.D. An Zhang, Ph.D. Gang Zhang, Ph.D. Mengying Zhang, Ph.D. Rong Wei Zhang, Ph.D. Wei Zhao, Ph.D. Yuan Zhao, Ph.D. Yang Zheng, Ph.D.

#### **Visitors**

David Basta, Ph.D.
Elaine L. Bearer, Ph.D., M.D
Libera Berghella, Ph.D.
Paul Chang, M.S.
David Garcia, Ph.D.
Stefan Kreida, Ph.D.
Anthony Linares, Ph.D., M.D.
Masahiko Noguchi, B.S.
Barry Olafson, Ph.D.
Philip Petersen, Ph.D.
Noelle Stiles, Ph.D.

#### DIVISION OF CHEMISTRY AND CHEMICAL ENGINEERING

Dennis Dougherty Norman Davidson Leadership Chair

Zhen-Gang Wang Executive Officer for Chemical Engineering

Theodor Agapie
Executive Officer for Chemistry

Shu-ou Shan Executive Officer for Biochemistry and Molecular Biophysics

#### Professors Emeriti

Fred C. Anson, Ph.D., D.h.c. Elizabeth W. Gilloon Professor of Chemistry

John D. Baldeschwieler, Ph.D. J. Stanley Johnson Professor and Professor of Chemistry

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

Sunney I. Chan, Ph.D. George Grant Hoag Professor of Biophysical Chemistry

Peter B. Dervan, Ph.D., D.Sc.h.c. Bren Professor of Chemistry

George R. Gavalas, Ph.D. Chemical Engineering

#### **Professors**

ing Center

Theodor Agapie, Ph.D. Professor of Chemistry; Executive officer of Chemistry

Frances H. Arnold, Ph.D., Nobel Laureate
Linus Pauling Professor of Chemical
Engineering, Bioengineering, and
Biochemistry, Director of the Donna
and Benjamin M. Rosen Bioengineer-

Jacqueline K. Barton, Ph.D., D.Sc.h.c., D.L.h.c. John G. Kirkwood and Arthur A. Noyes Professor of Chemistry Jesse L. Beauchamp, Ph.D. Mary and Charles Ferkel Professor of Chemistry

Geoffrey A. Blake, Ph.D. Professor of Cosmochemistry and Planetary Sciences and Professor of Chemistry

John F. Brady, Ph.D. Chevron Professor of Chemical Engineering and Mechanical Engineering

Judith L. Campbell, Ph.D. Professor of Chemistry and Biology

Garnet K. Chan, Ph.D. Bren Professor of Chemistry

William C. Clemons, Ph.D.

Arthur and Marian Hanisch Memorial

Professor of Biochemistry

Mark E. Davis, Ph.D. Warren and Katharine Schlinger Professor of Chemical Engineering

Dennis A. Dougherty, Ph.D. George Grant Hoag Professor of Chemistry; Norman Davidson Leadership; Chair, Division of Chemistry and Chemical Engineering

Richard C. Flagan, Ph.D. Irma and Ross McCollum-William H. Corcoran Professor of Chemical Engineering and Environmental Science and Engineering

Gregory C. Fu, Ph.D. Norman Chandler Professor of Chemistry

Konstantinos P. Giapis, Ph.D. *Professor of Chemical Engineering* 

William A. Goddard III, Ph.D. Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics

Harry B. Gray, Ph.D., D.Sc.h.c., Laurea h.c., Fil.Dr.h.c., D.L.h.c. Arnold O. Beckman Professor of Chemistry and Founding Director of the Beckman Institute

Robert H. Grubbs, Ph.D., Nobel Laureate Victor and Elizabeth Atkins Professor of Chemistry

Andre Hoelz, Ph.D.<sup>1</sup>
Professor of Chemistry and Biochemistry; Faculty Scholar, Howard Hughes
Medical Institute

<sup>&</sup>lt;sup>1</sup> Joint appointment with Howard Hughes Medical Institute

755

Linda C. Hsieh-Wilson, Ph.D. Milton and Rosalind Chang Professor of Chemistry

Rustem F. Ismagilov, Ph.D.
Ethel Wilson Bowles and Robert
Bowles Professor of Chemistry and
Chemical Engineering; Merkin Institute
Professor; Director of the Jacobs
Institute for Molecular Engineering for
Medicine

Julia Kornfield, Ph.D. Elizabeth W. Gilloon Professor of Chemical Engineering

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Karthish Manthiram, Ph.D.

Professor of Chemical Engineering and
Chemistry

Rudolph A. Marcus, Ph.D., D.Sc.h.c., Fil.Dr.h.c., D.h.c., Nobel Laureate John G. Kirkwood and Arthur A. Noyes Professor of Chemistry

Stephen L. Mayo, Ph.D. Bren Professor of Biology and Chemistry; Merkin Institute Professor

Thomas F. Miller III, Ph.D. Professor of Chemistry

Hosea M. Nelson, Ph.D. Professor of Chemistry

Mitchio Okumura, Ph.D. Professor of Chemical Physics

Carl S. Parker, Ph.D. Professor of Biochemistry

Jonas C. Peters, Ph.D. Bren Professor of Chemistry, Director of the Resnick Sustainability Institute

Douglas C. Rees, Ph.D.<sup>1</sup> Roscoe Gilkey Dickinson Professor of Chemistry

Sarah E. Reisman, Ph.D. Bren Professor of Chemistry

John H. Seinfeld, Ph.D., D.Sc.h.c. Louis E. Nohl Professor and Professor of Chemical Engineering

Shu-ou Shan, Ph.D. Altair Professor of Chemistry; Executive Officer for Biochemistry and Molecular Biophysics

Mikhail G. Shapiro, Ph.D. Professor of Chemical Engineering Brian M. Stoltz, Ph.D. Professor of Chemistry; Investigator, Heritage Medical Research Institute

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Zhen-Gang Wang, Ph.D. Dick and Barbara Dickinson Professor of Chemical Engineering; Executive Officer for Chemical Engineering

Daniel P. Weitekamp, Ph.D. Professor of Chemical Physics

#### Assistant Professors

Shasha Chong, Ph.D. Chemistry

Scott K. Cushing, Ph.D. Chemistry

Ryan G. Hadt, Ph.D. Chemistry

Maxwell J. Robb, Ph.D. Chemistry

Kimberly A. See, Ph.D. Chemistry

Daniel R. Semlow, Ph.D. *Biochemistry* 

Lu Wei, Ph.D Chemistry

#### **Research Assistant Professor**

Alison E. Ondrus, Ph.D.

#### Lecturers

Kathryn Bikle, M.A. Chemistry

Nathan Dalleska, Ph.D. *Chemistry* 

Christian Goodnow, M.S. Chemistry

Jeffrey Mendez, Ph.D. Chemistry

Michael Takase, Ph.D. Chemistry

Scott Virgil, Ph.D. Chemistry

Michael Vicic, Ph.D. Chemical Engineering

Jay R. Winkler, Ph.D. Chemistry

#### **Faculty Associates**

Jay A. Labinger, Ph.D. Chemistry

#### **Visiting Associates**

Qi An, Ph.D. Materials Engineering

Calum Chisholm, Ph.D. Materials Science

Won-chae Choe, Ph.D. Biochemistry

Siddharth Dasgupta, Ph.D. Chemistry

Stephen Forman, M.D. *Medicine* 

Alessandro Fortunelli, Ph.D. *Chemistry* 

Zeev Gross, Ph.D. Chemistry

Michael Hill, Ph.D. Chemistry

James B. Howard, Ph.D. Biochemistry

Darrin Lee, Ph.D. Neuroscience

Sergey Morozov, Ph.D. Physical and Mathematical Science

Robert Tanner, Ph.D. Chemical Engineering

John Williams, Ph.D. Chemistry

Shaocai Yu, Ph.D. Atmospheric Science

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Suresha Guptha, M.S. Chemical Engineering

Lawrence R. Henling, M.S. Chemistry

Sonjong Hwang, Ph.D. Chemistry

Jay Labinger, Ph.D. Chemistry

Boris Merinov, Ph.D. Chemistry

Mona Shahgholi, Ph.D. Chemistry

David Vander Velde, Ph.D Chemistry

#### Senior Postdoctoral Scholar

Christopher Bley, PhD. George William Mobbs, Ph.D.

#### **Postdoctoral Scholars**

Edwin Alfonzo, Ph.D. Soumitra Athavale, Ph.D. Yasemin Basdogan, Ph.D. Daniel Bim, Ph.D. Trixia Buscagan, Ph.D. Azhar Carim, Ph.D. David Charboneau, Ph.D. Caiyou Chen, Ph.D. Shenshena Chen. Ph.D. Tzu-Ling Chen, Ph.D. Yu-Shiuan Cheng, Ph.D. Simon Cooper, Ph.D. Gozde Demirer, Ph.D. Joseph DeRosa, Ph.D. Jorge Emiliano Deustua Stahr, Ph.D. Hai Dong, Ph.D. Austin Dulaney, Ph.D. Semar Ejder, Ph.D. Conner Farley, Ph.D. Alec Follmer, Ph.D. Fu, Donglong, Ph.D. Pablo Garrido Barros, Ph.D. Arpit Gupta, Ph.D. Reza Haghshenas, Ph.D. David Hill, Ph.D. Bo Shun Huang, Ph.D. Veronica Hubble, Ph.D. Si Hyung Jin, Ph.D. Hailey Knox, Ph.D. Soonho Kwon, Ph.D. Henrik Larsson, Ph.D. Forrest Laskowski, Ph.D. Seunahoon Lee. Ph.D.

Alfred Lentzsch, Ph.D.

Shaoyang Lin, Ph.D. Hanzhe Liu. Ph.D. Zhen Liu, Ph.D. Trevor Lohrey, Ph. D. Amirhossein Mafi, Ph.D. Sriteja Mantha, Ph.D. Charles Markus, Ph.D. Brendon McNicholas, Ph.D. David Miller, Ph.D. George Mobbs, Ph.D. Si Nie. Ph.D. Weixuan Nie, Ph.D. Richa Nigam, Ph.D. Samantarav, Paresh, Ph.D. Nicholas Porter, Ph.D. Christopher Poteat, Ph.D. Buddhi Pushpawela, Ph.D. Chenxi Qian, Ph.D. Claire Rabut, Ph.D. Melissa Ramirez, Ph.D. Alexander Rand, Ph.D. Raheleh Ravanfar, Ph.D. Md Kausar Raza, Ph.D. Stephen Sardini, Ph.D. Alexander Rigel Siegel, Ph.D. Doris Taylor, Ph.D. Ruslan Tazhigulov, Ph.D. Stephanie Threatt, Ph.D. Lei Wang, Ph.D. Mingyi Wang, Ph.D. Rebeccah Warmack, Ph.D. Moon Young Yang, Ph.D. Yuxing Yao, Ph.D. Sangjin Yoo, Ph.D. Huanchen Zhai, Ph.D. Feng Zhong, Ph.D. Tianyu Zhu, Ph.D.

#### **Visitors**

Avinoam Bar Zion, Ph.D. Bioengineering

Wei-Chen Chen, Ph.D. Chemistry

Bryan Hunter, Ph.D. Chemistry

Ricardo Matute, Ph.D. Chemistry

John Thompson, Ph.D. Cellular and Molecular Neurobiology

Keiko Yokoyama, Ph.D. Biochemistry

Ted Yu, Ph.D. Materials Science

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#### Morteza Gharib

Booth-Kresa Leadership Chair, Center for Autonomous Systems and Technologies; Director, Graduate Aerospace Laboratories

#### Yu-Chong Tai

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763

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786

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#### aeronautics. See also aerospace INDEX aerospace areas of research, 133 graduate program, 363-368 abroad studies, 12, 191-197, 223-224 aerospace, 131-135 absences. See also leaves of absence areas of research, 131-134 emergency contact notification courses, 458-467 policy, 40 facilities, 131, 134-135 academic advisement, 199 graduate option, 363-368 academic calendar, 4-5, 332 laboratories, 131, 134-135 academic partnerships, 11-12 undergraduate minor, 245 academic records. See also grades and affirmative consent, sex- and gendergrading based misconduct policies, 79-80 access to, 36-39 Air Force Reserve Officer Training Corps official transcripts, 39 (AFROTC), 198-199 privacy, access to academic alcohol abuse policies, 113-118 records, 26, 36-39 Alles Laboratory for Molecular Biology, transcripts, 39 veterans, 34-35 allowance of credit, scholastic academic requirements. See scholastic requirements, 208-209 requirements alumni, employment experiences, 29 Academics and Research Committee Alumni Association (CAA), 29 (ARC), 13, 19 Alumni House, 29 Americans with Disabilities Act (ADA) acceptance procedure, 184 compliance, 26, 57-59 accessibility and accommodation ADA compliance, 57-59 amnesty, sex- and gender-based Caltech Accessibility Services for misconduct policies, 104 Students, 23, 26 Annenberg Center for Information special meals, 23 Science and Technology, 166 Accessibility Services for Students Annual Security and Fire Safety Report, (CASS), 23, 26 78 accreditation, 41 anonymous reporting activities centers harassment, 121 Hameetman Center, 17, 23, 24 sex- and gender-based misconduct, Student Activities Center, 18 69, 70, 74 ADA (Americans with Disabilities Act) anthropology courses, 467-468 AP (Advanced Placement) programs, compliance, 57-59 Add Day, 30, 31, 199, 204 185-186 adding courses, policies for, 199 apartment buildings, graduate students, administrative officers, 744-746 353 admissions appeal as freshman, 183-186 involuntary leaves of absence, 203, graduate program, 329-330, 345, 338 346, 347 refunds, 212 transfer students, 186-189 sex- and gender-based misconduct Advanced Placement (AP) programs, complaints, 112-113 185-186 application fee, 209 advisors and advising application for admission, 183, 189 academic advisement, 199 fee. 209 career development services, 27-29 graduate programs, 329-330 faculty-student relations. 18 undergraduate, 183 freshman advisors. 18 application for financial aid, 215 graduate and professional school applied and computational mathematics, advising, 28-29 135-136 graduate program, 338-339, 348, courses, 468-475 349 double majors, 246 information and data sciences graduate program, 369-371 double majors, 309-310 undergraduate option, 246-248 mental health counselors. See applied mechanics, 136-137 counseling services courses, 475-477

graduate program, 371-375

laboratories, 137

applied physics, 137-138

courses, 477-484

pre-health careers advising, 28-29

sex- and gender-based misconduct

option advisors, 18

policies, 90

graduate program, 375-379	courses, 492-499
undergraduate option, 248-250	graduate program, 385-387
applied sciences, undergraduate	Rosen Bioengineering Center, 13
options, 287–289	undergraduate option, 254–257
ARC (Academics and Research	biology, 143–144. See also
Committee), 13, 19	bioengineering
archives	AP/IB credit, 185
Caltech Archives and Special	areas of research, 143–144
Collections, 15	Broad Center for the Biological
Caltech Collection of Open Digital	Sciences, 144
Archives (Coda), 14	classroom buildings, 144
Archives and Special Collections, 15	courses, 491–512
art history courses, 730-736	facilities, 144
arts. See also performing and visual arts;	graduate programs, 387–393,
visual culture	441–443
courses, 690-691, 695-697,	laboratories, 144
730–736	microbiology, 171-172
rehearsal facilities, 17	neurobiology, 172
assault. See sexual assault; violence and	premedical program, 258
violence prevention	systems biology, 181
assistantships, graduate, 354–355	undergraduate minor, 262
Associated Students of California	undergraduate option, 257–262
	biophysics
Institute of Technology, Inc. (ASCIT),	
19–20, 42	areas of research, 141
associations. See student activities	graduate programs, 383–385
astronomy. See observatories	Blacker House, 16, 186
and observational facilities	Board of Control, 20–21
astrophysics, 138–140. See also	board of trustees, 739–743
observatories and observational	bonding leaves of absence, 202, 336
facilities	Brain Imaging Center, 176
areas of research, 138-140	Braun House, 17, 186
courses, 484-490	Braun Laboratories, 144, 148
double majors, 250	Bridge Laboratory of Physics, 175
graduate program, 380–383	Broad Center for the Biological
history of program, 139-140	Sciences, 144, 148
library, 14	building directory, 7
undergraduate minor, 253-254	buildings and facilities. See also Caltech
undergraduate option, 250-254	Library and division libraries;
Atacama Large Millimeter/submm Array	classroom buildings; housing;
(ALMA), 140	laboratories; observatories and
Athletics, Physical Education &	observational facilities; specific
Recreation (APER) department,	buildings by name
18-19, 705. See also physical	athletics and athletic facilities, 18-19
education	Beckman Institute, 144
attendance, refunds and repayments,	Center for Teaching, Learning, &
210–211	Outreach, 13
auditing courses, 29	directory, 7
Avery House, 16, 186	Hixon Writing Center, 13–14
7.Wely 110d3c, 10, 100	map of campus, 6
В	on-campus buildings, 6–7
_	
Bachelor's degree. See also	business, economics, and management
undergraduate program	(BEM)
candidacy, scholastic requirements,	courses, 512–515
207	undergraduate option, 263-265
educational philosophy, 15	
Bechtel Residence, 16–17, 186	C
Beckman Institute, 12, 144, 148	CAEL (Careers Advising and Experiential
Beckman Laboratory of Chemical	Learning), 27–29
Synthesis, 147–148	cafeterias. See dining services
biochemistry and molecular biophysics,	Cahill Center for Astronomy and
141	Astrophysics, 175
areas of research, 141	Cahill Library for Astrophysics, 14
courses, 491-492	Cal Grants A and B, 216

bioengineering, 142-143

graduate programs, 383-385

California Education Code (CEC), sex-

and gender-based misconduct policies,

83-84	353
Caltech Accessibility Services for	CCID (Caltech Center for Inclusion &
Students (CASS), 23, 26	Diversity), 22–23
Caltech Alumni Association (CAA), 29	Center for Autonomous Systems and
Caltech Archives and Special	Technologies (CAST), 131, 135
Collections, 15	Center for Biological Circuit Design, 166
CaltechAUTHORS, 14	Center for Neuromorphic Systems
Caltech Brain Imaging Center, 176	Engineering, 166
Caltech Center for Inclusion & Diversity	Center for Teaching, Learning, &
(CCID), 22-23	Outreach (CTLO), 13
Caltech Collection of Open Digital	Center for the Mathematics of
Archives (Coda), 14	Information, 166
Caltech Community's Statement on	Center for the Physics of Information,
Ethical Conduct, 44-46	166
CaltechDATA, 14	Charyk Laboratory of Bioinspired Design
Caltech ID card charges, 214, 352	and Biopropulsion, 131
Caltech-Kaiser Permanente School of	chemical engineering, 144–146
Medicine MD/PhD Program, 392	areas of research, 144–146
Caltech Library and division libraries,	courses, 515–522
14–15. See also specific program	graduate program, 393-398
Archives and Special Collections, 15	laboratories, 146
Avery House, 16	undergraduate option, 265–268
Cahill Library for Astrophysics, 14	chemistry, 146-148. See also
Collection of Open Digital Archives	biochemistry and molecular biophysics
(Coda), 14	AP/IB credit, 185
Dabney Library for Humanities and	areas of research, 146–147
Social Sciences, 14	courses, 491–492, 515–532
Fairchild Library of Engineering and	double majors, 270
Applied Science, 14, 168	graduate programs, 383–385,
Lookout, 14	393–402
Student Activities Center, 18	senior thesis, 269–270
Caltech Project for Effective Teaching	undergraduate minor, 272–273
(CPET), 13	undergraduate option, 268–273
Caltech's Institute Environment, Health	Chen Institute for Neuroscience at
and Safety Committee (IEHSC), 60	Caltech, 12
Caltech Store, 17, 24	Chicago University Study Away
Caltech Submillimeter Observatory	Program, 191–192
(CSO), 140, 174, 175	child abuse, 75, 81, 126–127
CaltechTHESIS, 14	Church Laboratory for Chemical Biology,
Caltech-UCLA Medical Scientist Training	144, 148
Program (MSTP), 392	civil engineering, 148–149
Caltech-USC MD/PhD Program, 392	areas of research, 148
Caltech Work-Study program, 29,	computing facilities, 149
222–223	courses, 532–535
The Caltech Y, 23	graduate program, 402-405
Cambridge Examinations, 330	laboratories, 148-149
Cambridge Scholars Program, 191–192	classes. See courses
campus. See also buildings and facilities	classroom buildings. See also
building directory, 7	laboratories; specific areas of study and
map, 6	research
Campus Security	
sex- and gender-based misconduct	Annenberg Center for Information
30X dila geriaci basca misconduct	Annenberg Center for Information
reporting 78	Science, 166
reporting, 78	Science, 166 biology, 144
violence reporting, 125	Science, 166 biology, 144 Broad Center for the Biological
violence reporting, 125 Cann Laboratory, 134	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144
violence reporting, 125 Cann Laboratory, 134 career fairs, 28	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144 Cahill Center for Astronomy and
violence reporting, 125 Cann Laboratory, 134 career fairs, 28 Careers Advising and Experiential	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144 Cahill Center for Astronomy and Astrophysics, 175
violence reporting, 125 Cann Laboratory, 134 career fairs, 28 Careers Advising and Experiential Learning (CAEL), 27–29	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144 Cahill Center for Astronomy and Astrophysics, 175 Linde Hall of Mathematics and
violence reporting, 125 Cann Laboratory, 134 career fairs, 28 Careers Advising and Experiential Learning (CAEL), 27–29 CARE Team, 26–27	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144 Cahill Center for Astronomy and Astrophysics, 175 Linde Hall of Mathematics and Physics, 168
violence reporting, 125 Cann Laboratory, 134 career fairs, 28 Careers Advising and Experiential Learning (CAEL), 27–29	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144 Cahill Center for Astronomy and Astrophysics, 175 Linde Hall of Mathematics and
violence reporting, 125 Cann Laboratory, 134 career fairs, 28 Careers Advising and Experiential Learning (CAEL), 27–29 CARE Team, 26–27	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144 Cahill Center for Astronomy and Astrophysics, 175 Linde Hall of Mathematics and Physics, 168
violence reporting, 125 Cann Laboratory, 134 career fairs, 28 Careers Advising and Experiential Learning (CAEL), 27–29 CARE Team, 26–27 CARMA (Combined Array for Research in Millimeter-wave Astronomy), 140	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144 Cahill Center for Astronomy and Astrophysics, 175 Linde Hall of Mathematics and Physics, 168 Millikan Memorial Building, 14 Clery reporting, sex- and gender-based
violence reporting, 125 Cann Laboratory, 134 career fairs, 28 Careers Advising and Experiential Learning (CAEL), 27–29 CARE Team, 26–27 CARMA (Combined Array for Research	Science, 166 biology, 144 Broad Center for the Biological Sciences, 144 Cahill Center for Astronomy and Astrophysics, 175 Linde Hall of Mathematics and Physics, 168 Millikan Memorial Building, 14

Coda (Caltech Collection of Open Digital	Copennagen Scholars Program,
Archives), 14	192–193
Code of Conduct, 17, 44–46	core curriculum requirements, 240–243
coffee shop, 24	counseling services. See also advisors
college entrance examinations, 184,	and advising
187–188, 330	crisis services, 16, 26–27
Combined Array for Research in	mental health, 16, 26-27, 122-123
Millimeter-wave Astronomy (CARMA),	courses, 456-737. See also specific
140	program
communications. See also emergency	core curriculum requirements,
notifications	240–243
courses, 723–725	first-year courses, 243–245
· · · · · · · · · · · · · · · · · · ·	
electronic information resources	humanities and social sciences
policy, 46–49	requirements, 241–242
science and engineering	introductory laboratory requirement,
communication (program of study), 175	241
complaints and complaint procedures	menu classes, 240
Problem-Resolution Process, 42	physical education requirement,
sex- and gender-based misconduct	242–243
policies, 89-113	scientific writing requirement, 243
computational mathematics. See	COVID-19 pandemic
applied and computational mathematics	accreditation during, 41
computational science and engineering	college entrance examinations and,
graduate program, 408–409	184
computation and neural systems (CNS),	information on, 1
149–150	student wellness services, 24
courses, 535–539	vaccination policy, 25
graduate program, 406–408	CPET (Caltech Project for Effective
undergraduate option, 273–275	Teaching), 13
computer and computational science	credits. See also registration
aerospace areas of research, 133	allowance and transfer of credit,
courses, 535–556	208–209
graduate programs, 406-413	AP/IB course credits, 185–186
computer science (CS), 150-152. See	financial aid class level, 228-229
also computation and neural systems;	transfer admissions, 188
computing and mathematical sciences	Crellin Laboratory, 147
areas of research, 150–152	criminal activity. See also sex- and
computational science and	gender-based misconduct policies;
engineering graduate program, 408–409	violence and violence prevention
courses, 539–554	
· · · · · · · · · · · · · · · · · · ·	dating, relationship, or domestic
double majors, 276	violence, 81–82
graduate programs, 408–411	emergency contact notification
laboratories, 152	policy, 40–41
undergraduate minor, 278–279	preservation of evidence, sexual
undergraduate option, 276-279	assault, 70
computing and mathematical sciences,	stalking, 82, 87–88, 127
135–136, 152–153. See also applied and	Title IX, prohibited conduct under,
computational mathematics; control and	80–83
dynamical systems	crisis services, 16, 26-27
courses, 554–556	cross-registration with other schools,
graduate program, 411-413	11–12
conditional grade (E grade), 30–31	CTLO (Center for Teaching, Learning, &
Conduct Review Committee, 21	Outreach), 13
confidential resources. See also privacy	curriculum. See courses
	curriculum. See courses
harassment, 122–123	D
conflicts of interest, 52–57, 340–343	D
consent, sex- and gender-based	Dabney House, 14, 16, 186
misconduct policies, 79-81, 83-85	Dabney Library for Humanities and
consulting, conflicts of interest, 342–343	Social Sciences, 14
control and dynamical systems (CDS),	Danish Technical University,

courses, 556-559

graduate program, 413–414

undergraduate minor, 279

Copenhagen Scholars Program,

death, emergency contact notification

dating violence, 81-82

192-193

policy, 41	Scholars Program, 193–194
Defense Department, US, 12	economics
deferral of entrance to undergraduate	courses, 512-515, 559-563
program, 185	undergraduate option, 280–281
degrees offered, 10-12, 15. See also	eDevice lending program, SFL, 14
specific program	Edinburgh Scholars Program, 194–195
dependent care leaves of absence and	educational loans, 217–222, 355
	education arroices
underloads, 336	
deposits, 209, 213	Center for Teaching, Learning, &
detached duty, 342	Outreach, 13
dietary restrictions, 23	Hixon Writing Center, 13–14
dining services, 23, 24, 209, 353–354	electrical engineering, 153-158
direct loans, 217-222	areas of research, 154-158
disability and reasonable	courses, 563-576
accommodation policy, 57-59	double majors, 283
Discobolus Trophy, 19	graduate program, 415–417
discrimination. See also	laboratories, 154–158
nondiscrimination and equal opportunity	undergraduate option, 282–287
policies; sex- and gender-based	electronic information resources policy,
misconduct policies	46–49
definitions, 78–80	emergency leaves of absence, 202–203
sexual discrimination, 85, 86	337
dispute resolution	emergency notifications
Federal Student Aid Ombudsman,	contact notification policy, 39-41
222	dangerous situations, 70
grades and grading, 21, 34	emergency student loans, 222
student problem resolution process,	employment
42	career development services, 27–29
disruption of campus, emergency	conflicts of interest, 340–343
contact notification policy, 40	financial aid, 222–223
distance learning, COVID-19 pandemic	listings, 27–29
and, 41	nondiscrimination and equal
diversity services	opportunity policies, 63-67
Caltech Center for Inclusion &	on-campus employment, 29
Diversity, 22–23	recent graduates, employment
CARE Team, 26–27	experience of, 29
Doctor of Philosophy degrees, 15, 329,	
	special laboratory employment, 343
347–351. See also specific program	undergraduate/employee
DocuServe, 14	relationships, 85
domestic violence, 81–82	whistleblower policy, 128–129
dormitories. See housing	work-study programs, 29, 222–223
double majors	Energy Department, US, 12
applied and computational	energy science and technology (EST),
mathematics, 247	160
astrophysics, 250	courses, 577
chemistry, 270	engineering. See also specific fields of
computer science, 276	study and research
electrical engineering, 283	aerospace areas of research, 133
geological and planetary sciences,	areas of research, 142–143
293	communication, science and
Downs Laboratory of Physics, 175	engineering (program of study), 175
Drop Day, 32, 33	courses, 492-499, 515-522,
drop policies, 199, 212	532-535, 563-576, 577-579, 595-602,
drug abuse policies, 113-118	678–690, 723–725
dual degree programs	graduate programs, 385–387,
Caltech-Kaiser Permanente School	393–398, 402–405, 408–409, 415–420,
of Medicine MD/PhD Program, 392	435–441
3/2 Dual Degree Plan, 189-190	laboratories, 146, 147–148, 154–158
-	undergraduate options, 254–257,
E	265–268, 282–288, 290–293, 316–319
E (conditional grade), 30-31	Engineering and Applied Science (EAS)
early action application process, 183	Division. See scientific and engineering
École Polytechnique	communication
graduate exchange program 368	engineering and applied science (EAS)

option, 287–289 Engineer's Degree, 329 requirements, 345–347 English as a Second Language (ESL), 188–189, 330 courses, 594–595 English (course of study), 164, 185 courses, 579–594 undergraduate minor, 290 undergraduate option, 288–290 English language proficiency, 188–189, 330 Environment, Health, and Safety Office	faculty research, 12 faculty-student relations, 18 Fairchild Library of Engineering and Applied Science, 14, 168 false reports sex- and gender-based misconduct, 75 violence reporting, 125 federal agencies. See also specific agencies by name reporting, harassment, 121 reporting, sex- and gender-based misconduct, 77
(EHS), 60 environment, health, and safety policies,	Federal direct loans, 218–222 Federal financial aid
59–63 Environment, Health and Safety	direct loans, 218-222 FAFSA, 214
Committee (IEHSC), 60 environmental science and engineering	Ford Federal Direct Loan Program, 217–222
(ESE), 158–162	Pell Grants, 216
areas of research, 159–160 courses, 595–602	refunds and repayments, 211–212 Supplemental Educational
graduate program, 418-420	Opportunity Grant, 216
laboratories, 160–162	Work-Study program, 223
undergraduate minor, 292–293 undergraduate option, 290–293	Federal Pell Grants, 216 Federal Supplemental Educational
Equal Employment Opportunity	Opportunity Grant, 216
Coordinators	Federal Work-Study (FWS) program, 223
harassment policy, 123-124	fees and expenses, 209-214. See also
nondiscrimination, 64–65	financial aid
equal opportunity policies employment, 63–67	fellowships, graduate, 355 F (failed) grades, 30, 33–34
transfer students, 189	film courses, 730–736
essays for admission application, 184	financial aid, 214–230
ethical conduct, Code of Conduct, 17,	applying for, 215
44–46	assistantships, 354–355
evaluations	Caltech loans, 222
for admission application, 184 written English, for transfer	class level, 228–229 deadlines, 215
application, 188	direct loans, 217–222
events and event planning, 24, 44. See	disbursement of, 225–226
also student activities	emergency loans, 222
evidence, sex- and gender-based	emergency programs, 222
misconduct, 70	employment, 223
exchange programs, 190	FAFSA, 214 Federal Pell Grants, 216
École Polytechnique graduate exchange program, 368	Federal Student Aid Ombudsman,
graduate program, 331, 343	222
Scripps Institution of Oceanography,	Federal Supplemental Educational
12, 343–344	Opportunity Grant, 216
expenses. See also financial aid	graduate program, 354–355
graduate program, 351–354	international applicants for, 215
undergraduate expenses, 209–214 exploitation, sexual, 84, 87	loans, 217–222 Parent PLUS Loan, 220–222
export laws and regulations, policy	part-time enrollment, 229–230
regarding, 49-51	probation, 227–228
	Satisfactory Academic Progress,
F	226–228
facilities. See buildings and facilities	scholarships, 216
faculty, 746–841 faculty and officers listing, 788–841	State grants, 216 studying abroad, 223–224
instruction and research staff by	suspension, 228
division, 749–787	time limits, 228–229
officers and committees, 746-748	types available, 216

	underload, 229-230	courses, 605-623
	warnings, 227	undergraduate option, 298-299
	work study programs, 223	grade-point average (GPA). See grades
	arms and weapons, 127	and grading
	stone Flight Sciences Laboratory,	grades and grading, 30–34
131		computing GPA, 32–33
	-year courses, 243–245	dispute resolution, 21, 34
	ning House, 16, 186	dropping courses, 32
Ford	d Federal Direct Loan Program,	GPA, 30-34, 204, 206, 207
217	<b>-</b> 222	incomplete grades, 31
	ign languages, 164	withdrawal from course, 35
	courses, 659-665	Graduate Aerospace Laboratories
	English language proficiency, 188,	(GALCIT), 131-135, 363, 364
330		graduate and professional school
	ign study. See study abroad and	advising, 28–29
	dy away programs	graduate expenses, 351–354
	nal complaints, sex- and gender-	Graduate Honor Council (GHC), 21
	ed misconduct, 95–97	graduate program, 11, 328–454. See
	nding, history, 9–10	also research; specific program
Free	Application for Federal Student Aid	admissions, 329-330, 345, 346, 347
(FAF	FSA), 214	advising, 28-29, 338-339, 348, 349
fresl	hman advisors, 18	assistantships, 354-355
fresl	hman seminars, 602-605	candidacy, admission to, 346,
	,	348–349
G		conflicts of interest, 340–343
	_CIT (Graduate Aerospace	detached duty, 342
	oratories), 131–135, 363, 364	Doctor of Philosophy degree, 329,
		347–351
	es Laboratory, 147	
	es-Thomas Laboratory of	Engineer's degree, 329, 345–347
	ineering, 148	expenses, 351–354
	fen School of Medicine, UCLA, 12	final examinations, 347
	der-based misconduct policies. See	financial assistance, 354-355
sex-	- and gender-based misconduct	general administrative requirements
poli	cies	332–333
gen	eral deposit, 209, 213	housing, 353
gen	eral information, 8–129	humanities and social sciences,
geo	biology. See also geological and	177–180
plan	netary sciences	joint B.S./M.S. degrees, 345
	courses, 605-623	joint programs and partnerships,
	graduate program, 423-424	11–12
	undergraduate option, 295–296	leaves of absence, 333–338
	chemistry. See also geological and	Master of Science degree, 329, 345
	netary sciences	minor programs of study, 347–348
	courses, 605–623	part-time programs, 339
	graduate program, 424	policies and procedures, 329–344
	undergraduate option, 296–298	prizes, 356–362
	logical and planetary sciences	refund and repayment policy, 355
	S), 162–163	registration, 331–333, 348
	courses, 605-623	requirements, 344–351
	double majors, 293	residency, 344–345, 346, 348
	graduate program, 420–426	residency requirements, 330, 331
	library, 14	responsible conduct of research,
	observatories, 163	340
	physical facilities, 163	satisfactory academic progress,
	undergraduate minor, 300	350–351
	undergraduate options, 293–300	special laboratories, 343
	logy. See also geological and	special option regulations, 363–454
	netary sciences	thesis, 347–350
	courses, 605–623	Thesis Advisory Committee, 349
	graduate program, 424–425	thesis examinations, 349
	North Mudd Library for Geology, 14	visiting student appointments,
	undergraduate option, 294–295	330–331
geo	physics. See also geological and	Graduate Student Council (GSC), 20, 42
plan	netary sciences	graduation requirements

core curriculum requirements,	165, 176–180. See also specific courses
240–243	of study
time limits, 207	allowance and transfer of credit,
undergraduate, 239–327	208–209
guardian emergency contact notification	areas of research, 165, 177–180
policy, 39–41	core curriculum requirements,
Guggenheim Aeronautical Laboratory,	241–242
131	courses, 467-468, 579-594, 623-
gymnasiums, 18–19	655, 697–700, 725–729, 730–736
	drop policies, 199
Н	graduate program, 451-454
Hacker Social Science Experimental	libraries, 14, 164
Laboratory (SSEL), 178, 180	HWC (Hixon Writing Center), 13–14
Hale, George Ellery, 9–10	
Hale Telescope, 139	I
Hameetman Center, 17, 23, 24	I (incomplete) grades, 31
harassment policies, 118-124. See also	IB (International Baccalaureate)
sex- and gender-based misconduct	programs, 185–186
policies	ID card charges, 214, 352
Health and Human Services	incomplete grades, 31
Department, US, 12	information. See also academic records;
health careers advising, 28-29	emergency notifications; privacy
health center. See health services	electronic information resources
health forms, 25	policy, 46–49
health insurance, 24-25	harrassment policy, 123
health services, 24-25, 354. See also	sex- and gender-based misconduct
mental health services	policies, 88
emergency contact notification	information and data sciences (IDS),
policy, 39–40	165–166
environment, health, and safety	advising, 309-310
policies, 59-63	courses, 655-658
Student Health Portal, 25	double majors, 308
High Performance Computing (HPC)	graduate program, 426–427
clusters, 161–162, 170	undergraduate minor, 310
high school requirements for admission,	undergraduate option, 306–310
183	information science and technology
history (course of study), 164	(IST), 166
courses, 623–641, 730–736	classroom buildings, 166
graduate programs, 426 undergraduate minor, 302–303	courses, 659 initiative, 152
undergraduate option, 302–303	laboratories, 166
history and philosophy of science (HPS),	Information Science and Technology
164	(IST) Initiative, 152
courses, 633–641	Infrared Processing and Analysis Center
graduate program, 426	(IPAC), 140
undergraduate minor, 305–306	injuries. See health services; violence
undergraduate option, 303–306	Institute Environment, Health and Safety
history of CalTech, 9–10	Committee (IEHSC), 60
Archives and Special Collections, 15	Institute for Quantum Information, 173
Hixon Writing Center (HWC), 13–14	instruction and research staff, 749–787
Honor Code, 20–21	insurance, health insurance for students.
Honor System, 20–21	24–25
graduate expenses, 353	intellectual property, Student Patent and
undergraduate expenses, 213	Computer Software Agreement, 42-44
housing	intercollegiate teams (athletics), 705
Catalina Graduate Apartment	interdisciplinary studies program (ISP),
Complex, 353	166–167, 310–312, 659
contracts, 209	Interhouse Committee (IHC), 19
graduate students, 353	interlibrary loan service, 14
Interhouse Committee, 19	International Baccalaureate (IB)
Office of Residential Experience, 17	programs, 185–186
residency expectations, 186	International English Language Testing
undergraduate students, 16-17	System (IELTS), 330
humanities and social sciences. 164-	International Student Programs (ISP), 29

international students financial aid, 215 geological and planetary sciences graduate program, 421 graduate programs, 330 International Student Programs, 29 internships, 28 intramural athletics, 18–19 introductory laboratory requirement, 241 inventions, Student Patent and Computer Software Agreement, 42–44 investigations harassment complaints, 121 sex- and gender-based misconduct policies, 101–113 involuntary leaves of absence, 202–204, 336–338	Broad Center for the Biological Sciences, 144, 148 Cann Laboratory, 134 Charyk Laboratory of Bioinspired Design and Biopropulsion, 131 Church Laboratory for Chemical Biology, 144, 148 Crellin Laboratory, 147 Downs Laboratory of Physics, 175 Firestone Flight Sciences Laboratory, 131 GALCIT, 131–135, 363, 364 Gates Laboratory, 147 Gates-Thomas Laboratory of Engineering, 148 Guggenheim Aeronautical Laboratory, 131 Hacker Social Science Experimental
J jet propulsion laboratories. See JPL (Jet Propulsion Laboratory); Kármán Laboratory of Fluid Mechanics and Jet Propulsion joint programs, 11–12 JPL (Jet Propulsion Laboratory), 15, 163 astrophysics and, 140	Laboratory, 178, 180 introductory laboratory requirement, 241 JPL. See JPL (Jet Propulsion Laboratory) Kármán Laboratory of Fluid Mechanics and Jet Propulsion, 131 Keck Engineering Laboratories, 148,
environment, health, and safety policies, 59–63 Environmental Affairs Program Office, 61 Occupational Safety Program Office, 61 Office of Safety and Mission	167 Kellogg Radiation Laboratory, 168, 175 Kerckhoff Laboratories of Biological Sciences, 144 Kerckhoff Marine Biological Laboratory, 144
Success, 61 physics and, 174 sex- and gender-based misconduct policies, reporting, 73 violence and violence prevention, reporting, 125 visitors and contractors, 61, 62	Laboratory for Experimental Economics and Political Science, 178, 180 Lauritsen Laboratory of High Energy Physics, 175 Linde + Robinson Laboratory for Global Environmental Science, 160–162
K Kármán Laboratory of Fluid Mechanics and Jet Propulsion, 131 Kavli Nanoscience Institute (KNI), 12–13, 138, 167, 170, 173 Keck Array, 140, 163 Keck Engineering Laboratories, 148, 167 Keck Observatory, 139–140, 175 Keck School of Medicine, USC, 12 Kellogg Radiation Laboratory, 168, 175 Kerckhoff Laboratories of Biological Sciences, 144 Kerckhoff Marine Biological Laboratory, 144	Mead Memorial Undergraduate Chemistry Laboratory, 148 Moore Laboratory of Engineering, 154–158, 166 Noyes Laboratory of Chemical Physics, 148 Schlinger Laboratory for Chemistry and Chemical Engineering, 146, 148 Seismological Laboratory, 163 Sloan Laboratory of Mathematics and Physics, 175 Social and Information Science Laboratory, 166 Social Science Experimental Laboratory, 176
L laboratories. See also specific programs Alles Laboratory for Molecular Biology, 144 Beckman Institute, 12, 144 Beckman Laboratory of Chemical Synthesis, 147–148 Braun Laboratories, 144, 148 Bridge Laboratory of Physics, 175	Spalding Laboratory of Engineering, 146 Steele Laboratory of Electrical Sciences, 138, 167 Watson Laboratories of Applied Physics, 138 Laboratory for Experimental Economics and Political Science (LEEPS), 178, 180 language courses, 659–665. See also English

English as a Second Language, 330,	courses, 678–687
594–595	facilities, 170
Laser Interferometer Gravitational-wave	graduate program, 435–439
Observatory (LIGO), 140, 175	undergraduate option, 316–319
late payment fee, 213	medical emergencies, contact
late registration fees, 213, 353	notification policy, 39
laundry, 17, 18	medical engineering, 170-171
Lauritsen Laboratory of High Energy	areas of research, 170–171
Physics, 175	courses, 687–690
law courses, 665	graduate program, 439–441
law courses, 665	medical leaves of absence, 202–204,
	334–335
activity	
reporting sex- and gender-based	medical services. See health services
misconduct, 74, 78	medicine. See also medical engineering
leaves of absence	Caltech-Kaiser Permanente School
conflicts of interest, 342	of Medicine MD/PhD Program, 392
graduate students, 333–338, 342	Caltech-UCLA Medical Scientist
undergraduate students, 200-204	Training Program (MSTP), 392
Lee Center for Advanced Networking,	Caltech-USC MD/PhD Program, 392
166	premedical program, 258
legal notices and agreements, 34-44	Melbourne Scholars Program, 196-197
libraries. See Caltech Library and	mental health services
division libraries	crisis services, 16, 26–27
LIGO (Laser Interferometer Gravitational-	
	harassment policy, 122–123
Wave Observatory), 140, 175	violence, victims of, 127–128
Linde Hall of Mathematics and Physics,	mentorship, CAEL, 28
168	menu classes, 240
Linde + Robinson Laboratory for Global	microbiology, 171–172
Environmental Science, 160–162	Millikan, Robert A., 10
Lloyd House, 16, 186	Millikan Memorial Building, 14
loans, student, 217–222, 355	minor programs of study. See also
London Scholars Program, 195–196	specific programs
Lookout (Millikan Building), 14	graduate program, 347-348
	minors
M	child abuse, 75, 81, 126-127
mail, student, 16	sex- and gender-based misconduct,
majors (options), 10–11, 206–208. See	75, 81
also specific option or program	students, emergency contact
management courses, 512-515	notification policy, 39
map of campus, 6	missing persons, emergency contact
Marks House, 17, 186	notification policy, 40
Master of Science degrees, 329	mission, 1, 9
educational philosophy, 15	molecular biophysics. See biochemistry
requirements, 344–345	and molecular biophysics
materials science, 167–168	Moore Laboratory of Engineering,
areas of research, 167	154–158, 166
courses, 665–669	music courses, 690-691
graduate program, 427–432	music rehearsal facilities, 17
laboratories, 167–168	
undergraduate option, 312-314	N
mathematics, 168. See also applied and	National Aeronautics Space
computational mathematics; computing	Administration (NASA), 12
and mathematical sciences	reporting, sex- and gender-based
AP/IB credit, 185–186	misconduct, 77
areas of research, 168	National Institutes of Health, graduate
classroom buildings, 168	research and, 340
courses, 468–475, 554–556, 669–	National Science Foundation (NSF)
678	conflict of interest requirements, 55
graduate programs, 369-371,	graduate research and, 340
411–413, 432–435	research funding, 12
undergraduate option, 315-316	neurobiology, 172
Mead Memorial Undergraduate	courses, 692-695
Chemistry Laboratory, 148	graduate program, 441-443
mechanical engineering, 169-170	undergraduate minor, 319
areas of research, 169	neuroscience, 176

Cherrinstitute for Neuroscience at	(OVNO), 140, 163, 173
Caltech, 12	_
graduate programs, 441-443,	P
449–451	Page House, 16, 186
new student orientation, 186	Palomar Observatory, 139, 175
nonconsensual sexual contact, 67,	parent emergency contact notification
79–80	policy, 39–41
nondiscrimination and equal opportunity	Parent PLUS Loan, 220–222
policies	partnerships, academic, 11–12. See also
employment, 63–67	dual degree programs
transfer students, 189	Caltech-Kaiser Permanente School
North Mudd Library for Geology, 14	of Medicine MD/PhD Program, 392
notices and agreements, legal, 34-44	Caltech-UCLA Medical Scientist
notifications and warnings. See also	Training Program (MSTP), 392
emergency notifications	Caltech-USC MD/PhD Program, 392
emergency contact notification	Dual Degree Programs, 189–190
policy, 39–41	part-time enrollment and underloads,
	208
Noyes, Arthur A., 10	
Noyes Laboratory of Chemical Physics,	dependent care, 336
148	financial aid, 229–230
NSF. See National Science Foundation	graduate programs, 336, 339
	refunds and repayments, 212
0	Pasadena, CA, 9
observatories and observational	pass/fail grading, 30, 33-34
facilities, 139–140, 163. See also	patents, Student Patent and Computer
telescopes	Software Agreement, 42–44
•	
Caltech Submillimeter Observatory,	Pearson Test of English Academic (PTE
140, 174, 175	Academic), 330
Combined Array for Research in	Pell Grants, 216
Millimeter-wave Astronomy, 140	performing and visual arts, 21. See also
geological and planetary sciences,	visual culture
163	courses, 695-697, 730-736
Infrared Processing and Analysis	music rehearsal facilities, 17
Center, 140	rehearsal facilities, 17
Keck Observatory, 139–140, 175	persistence rates, student, 44
Laser Interferometer Gravitational-	personal leaves of absence, 200,
	·
wave Observatory, 140, 175	333–334
Owens Valley Radio Observatory,	P grades (pass/fail), 30, 33–34
140, 163, 175	philosophy (course of study), 164. See
Palomar Observatory, 139, 163, 175	also history and philosophy of science
satellites, 139, 140	courses, 697–700
Spitzer Science Center, 140	undergraduate minor, 321
Occidental College and Art Center	undergraduate option, 319-321
College of Design, 12	PHS (Public Health Service), conflict of
off-campus facilities, 174, 175	interest requirements, 55
Office of Research Compliance, 21	physical education
Office of Residential Experience (ORE),	Athletics, Physical Education &
17–18	Recreation department, 18–19
Office of Safety and Mission Success	core curriculum, 242-243
(JPL OSMS), 61	courses, 700-705
officers listings, 739	facilities, 18-19
administrative officers, 744-746	gymnasiums, 18-19
faculty and officers, 788-841	intercollegiate teams, 705
official transcripts, 39	physical plant. See buildings and
option advisors, 18	facilities
options (majors), 10–11, 206–208. See	physics, 172–175. See also applied
also specific option or program	physics; astrophysics; biochemistry and
orientation, new student, 186	molecular biophysics
Oschin Telescope, 139	aerospace areas of research, 132
outstanding bills	AP/IB credit, 186
graduate program, 352	areas of research, 137-138, 141,
registration and, 198, 213	172–175
overload of classes, 208	courses, 477–490, 491–492, 706–
Owens Valley Radio Observatory	716

graduate programs, 375–379,	records. See academic records
380–385, 443–448	recruiting program, on-campus, 27–28
laboratories, 175	Red Door Marketplace, 17, 24
undergraduate option, 322–324	refunds and repayments, 210–214, 355
plagiarism, 21, 71	registration, 198–204
planetary science. See also geological	academic advisement, 199
and planetary sciences	adding courses, policies for, 199
graduate program, 425	allowance and transfer of credit,
undergraduate option, 299-300	208–209
policies, 46–129	changes, 199-200
ADA compliance, 57–59	cross-registration with other
conflicts of interest, 52–57	schools, 11-12
disability and reasonable	drop policies, 199
accommodation, 57–59	eligibility, 198
electronic information resources,	graduate program, 331–333, 348
acceptable use of, 46-49	humanities drop policy, 199
environment, health, and safety,	involuntary leaves of absence,
59–63	202–204
export laws and regulations, 49-51	late registration fees, 213
harassment, 118–124	leaves of absence, 200-204
institutional conflicts of interest,	overloads and underloads, 208
56–57	procedures, 198
National Science Foundation conflict	regulations, 198-204
of interest requirements, 55	summer research or summer
nondiscrimination and equal	reading, 199–200
employment opportunity, 63–67	undergraduate leaves of absence,
Public Health Service conflict of	200–204
interest requirements, 55	withdrawal, 35, 204
sexual misconduct, 67-113	rehearsal (music) facilities, 17
Student Affairs, 129	relationship violence, 81-82
substance abuse, 39-40, 113-118	religious life on campus, 23
unlawful harassment, 118-124	remedy-based resolution, sex- and
violence prevention, 124–128	gender-based misconduct, 99-101
whistleblower, 128–129	reporting
political science	harassment, 120-121
courses, 716–719	sex- and gender-based misconduct
undergraduate option, 324–326	70–78
postdoctoral and senior postdoctoral	violence and violence prevention,
scholars, 12	125–126
postgraduate school advising, 28–29	whistleblower policy, 128–129
pregnancy leaves of absence, 202, 335	research
pre-health careers advising, 28–29	aerospace, 131–135
premedical program, 258	applied and computational
printing service, 3-D, 14	mathematics, 136
privacy	applied mechanics, 137
access to academic records, 26,	areas of, 130–181
36–39	assistantships, 355
confidential resources, 26, 122–123	astrophysics, 138–140
harassment policy, 122	biochemistry and molecular
sex- and gender-based misconduct	biophysics, 141
policies, 75–77, 103–104, 112	bioengineering, 142–143
prizes, 230–239, 356–362	biology, 143–144
Problem-Resolution Process, 42	centers and institutes, 12-13. See
professional school advising, 28–29	also individual names
psychology courses, 719–722	chemical engineering, 144–146
public events, 24, 44	chemistry, 146–147
Public Health Service (PHS), conflict of	computation and neural systems,
interest requirements, 55	149–150
	computer science, 150–152
Q	education and, 10–15
quantum science and engineering,	electrical engineering, 154–158
graduate programs, 447	environmental science and
Б	engineering, 159–160
R	faculty research, 12

funds for graduate students, 355	Satisfactory Academic Progress
graduate programs and research, 11	allowance and transfer of credit,
humanities, 165	208–209
materials science, 167	candidacy for Bachelor's Degree,
mathematics, 168	207
mechanical engineering, 169	change of option, 206-207
medical engineering, 170-171	continuing in option, 206
misconduct, 21, 48, 71	departmental and option regulations,
Office of Research Compliance, 21	206–208
physics, 172-175	eligibility for enrollment, 205
responsible conduct of research,	GPA, 206, 207
340	graduation requirement, 207
senior thesis, 11	overloads and underloads, 208
social and decision neuroscience,	selection of option, 206
176	term examinations, 207
social science, 177–180	time limits for graduation, 207
staff of instruction and research,	undergraduate program, 205–209
749–787	scientific and engineering
summer research, 11	communication (SEC), 175
undergraduate research, 10–11	courses, 723–725
visiting student appointments, 331	scientific writing
residence halls. See housing residency	courses, 723–725 requirement, 243
graduate program, 330, 331, 344–	Scripps Institution of Oceanography
345, 346, 348	(SIO), 12, 343–344
graduation requirement, 207	Security services, sex- and gender-
undergraduate expectations, 186	based misconduct reporting, 78
Residential Associates (RAs), 16, 353	seismological facilities, 148, 163
Residential Experience, Office of, 17–18	Seismological Laboratory, 163
Residential Life Coordinators (RLCs),	senior thesis, 11
16, 353	sex- and gender-based misconduct
Resnick Sustainability Institute, 13	policies, 67–113
resolution, sex- and gender-based	administrative resolution, 98-99, 101
misconduct complaints, 97-113	appeal, 112-113
retaliation	California Education Code (CEC),
harassment policy, 121-122	83–84
sex- and gender-based misconduct	children, reports involving, 75, 81
policies, 67, 69, 89–90	complaint procedures, 89-113
retention rates, student, 44	dating and domestic violence, 81-82
Ricketts House, 16, 186	definitions, 78–84
Rosen Bioengineering Center, 13	disclosure of outcomes, 112
ROTC program, 198–199	discrimination, 85, 86
Ruddock House, 16, 186	emergency notifications, 70
6	employee/undergraduate
S	relationships, 85
SAC (Student Activities Center), 18	evaluative responsibilities, 85
safety policies, 59–63 sanctions	examples of prohibited conduct, 86–88
sex- and gender-based misconduct	exploitation, sexual, 84, 87
policies, 104, 110–112	formal complaints, 95–97
substance abuse policy, 116, 117–	harassment, 82, 85, 87
118	investigation process, 101–113
satellites, astronomical, 139, 140	minors, reports involving, 75, 81
Satisfactory Academic Progress (SAP),	options, complainants', 93–95
207	privacy, 75-77, 103-104, 112
financial aid and, 226-228	prohibited conduct, 78–88
graduate program, 350–351	removal, emergency, 93
Schlinger Laboratory for Chemistry and	reporting, 70–78
Chemical Engineering, 146, 148	resolution options, 97–113
scholarships, 216	retaliation, 67, 69, 89-90
graduate, 355	sanctions and remedies, 104, 110-
part-time enrollment, 230	112
scholastic requirements, 205-209.	stalking, 82, 87-88, 127
See also credits; grades and grading;	supportive measures, 92-93

timelines, 91, 105	structure of Caltech, 10
Title IX, sexual misconduct covered	student activities, 18-24. See
under, 80-83	also Hameetman Center; specific
undergraduate/employee	organizations by name
relationships, 85	ASCIT, 19-20, 42
warnings, timely, 70	athletics, 18–19
sexual assault. See also sex- and	courses, 729-730
gender-based misconduct policies	Graduate Honor Council, 21
preservation of evidence, sexual	Graduate Student Council, 20, 42
assault, 70	registration for, 24
sexual assault definitions, 80-81	sports, 18–19
Sherman Fairchild Library (SFL), 14, 168	Student Activities Center (SAC), 18
Sloan Laboratory of Mathematics and	Student Affairs policies, 129
Physics, 175	Student Auxiliary Services, Gift &
Small Particle Hypervelocity Impact	Technology Store, 24
Range, 135	student body publications, 21
social and decision neuroscience, 176	student center, 17, 23, 24
graduate program, 449-451	student government, 20
research, 176	Student Health Portal, 25
Social and Information Science	student housing. See housing
Laboratory, 166	student life, 16-24
Social Science Experimental Laboratory,	student loans, 217-222, 355
176	Student Patent and Computer Software
social sciences. See humanities and	Agreement, 42–44
social sciences	student problem resolution process, 42
societies and clubs, 19-20, 22-24. See	student retention and persistence rates,
also student activities	44
Software Agreement, Student Patent	student services. See also advisors;
and Computer, 42-44	counseling services; dining services;
Southern California Earthquake Data	Hameetman Center; health services;
Center, 163	housing
Southern California Seismic Network,	The Caltech Y, 23
163	career development services, 27-29
South House laundry room, 18	Center for Teaching, Learning, &
space engineering graduate program,	Outreach, 13
364–366	crisis services, 16, 26–27
space studies. See aerospace	event planning, 24, 44
Spalding Laboratory of Engineering, 146	faculty-student relations, 18
special fees, 213	health and counseling services,
special meals, 23	122–123, 354
special students, visiting student	Hixon Writing Center, 13–14
appointments, 330–331	Interhouse Committee, 19
Spitzer Science Center (SSC), 140	mail, 16
Spitzer Space Telescope Science	problem resolution process, 42
Center, 140	publications, 21
sports and athletic facilities, 18–19. See	Student Activities Center, 18
also physical education	Student Auxiliary Services, Gift &
staff listings	Technology Store, 24
administrative officers, 744–746	wellness services, 24–25
faculty, 746–748	student societies and clubs. See student
instruction and research, 749–787	activities
Stafford federal Direct loans, 218–220	student wellness services, 24–25
stalking, 82, 87–88, 127	study abroad and study away programs,
standardized testing. See testing	12, 190–197, 223–224
state agencies, reporting to	study spaces, 14. See also Caltech
harassment, 121	Library and division libraries
sex- and gender-based misconduct,	Submillimeter Observatory (CSO), 140,
77 Stools I sharatany of Electrical Sciences	174, 175
Steele Laboratory of Electrical Sciences,	substance abuse policies, 113–118
138, 167	emergency contact notification
store, Student Auxiliary Services, Gift &	policy, 39–40 summer term
Technology Store, 24	
structural mechanics undergraduate minor, 326	internships and jobs, 28 registration for summer research or
11111101, 020	regionation for Suffifier research of

summer reading, 199–200	harrassment policy, 123-124
SURF program, 11	initial assessment, 91-92
Summer Undergraduate Research	nondiscrimination, 65
Fellowships (SURF), 11	reporting to Title IX Coordinator,
Supplemental Educational Opportunity	71–73
Grant, 216	transcripts, 39. See also academic
sustainability, Resnick Sustainability	records
Institute, 13	Transfer Admissions Entrance
systems biology, 181	Examinations, 188
systems biology, 101	
т	transfer of credit, scholastic
T	requirements, 208–209
teaching assistantships, 354–355	transfer students
TechHub, 14	admission process, 186–189
TechLab, 14	application for admission, 189
telescopes, 139-140. See also	credit, allowance and transfer of,
observatories and observational facilities	208–209
Atacama Large Millimeter/submm	graduation requirements, 188
Array (ALMA), 140	nondiscrimination and equal
CARMA, 140	opportunity, 189
Hale Telescope, 139	testing for admission, 187–188
Keck Array, 140, 163	3/2 Dual Degree Program, 189–190
Keck Observatory, 163	trustees, 739–743
Linde + Robinson Laboratory for	tuition. See also financial aid
Global Environmental Science, 161	graduate program, 351–354
· ·	
Oschin Telescope, 139	undergraduate expenses, 209-214
Owens Valley Radio Observatory	
(OVRO), 140, 163, 175	U
Palomar Observatory, 139	UASH. See Undergraduate Academic
Spitzer Space Telescope Science	Standards and Honors (UASH)
Center, 140	Committee
Thirty-Meter Telescope, 140, 163	UCLA
Zwicky Transient Facility (ZTF), 139	Caltech-UCLA Medical Scientist
testing	Training Program (MSTP), 392
college entrance examinations, 184,	Geffen School of Medicine, 12
187–188, 330	Undergraduate Academic Standards
Engineer's degree, 347	and Honors (UASH) Committee, 31-32
scholastic requirements, term	changes in registration, 199
examinations, 207	enrollment eligibility, 205
standardized exams, 184, 187-188	veterans' registrations, 35
Test of English as a Foreign	undergraduate expenses, 209-214. See
Language, 187–188, 330	also financial aid
transfer admissions, 187–188	Undergraduate Houses and housing,
Test of English as a Foreign Language	16–17
(TOEFL), 187–188, 330	residency expectations, 186
textbooks, SFL Course Reserves, 14	undergraduate program, 10–11,
therapy services. See counseling	182–327. See also registration; transfer
services	students
	admission, 183–190
thesis requirements. See also specific	•
graduate program	core curriculum requirements,
Doctor of Philosophy, 347–350	240–243
Engineer's Degree, 346	emergency contact notification
senior thesis, 11	policy, 40
Thirty-Meter Telescope (TMT), 140, 163	expenses, 209-214
threats, sex- and gender-based	first-year courses, 243-245
misconduct policies, 86	graduation requirements, 239-327
3-D printing service, 14	joint B.S./M.S. degrees, 345
3/2 Dual Degree Program, 189–190	options, 182-327
Throop University, 9–10	senior thesis, 11
time limits for graduation, 207	undergraduate research, 10-11
Title IX and Title IX Coordinator, 70-78,	underload of classes. See part-time
80–83. See also sex- and gender-based	enrollment and underloads
misconduct policies	unexplained absences, emergency
definitions, prohibited conduct,	contact notification policy, 40
80–83	United HealthCare Student Resources,

The Y, 23