

# Trustees, Administration, Faculty



## OFFICERS

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*Vice President and Director,  
Jet Propulsion Laboratory*

## BOARD OF TRUSTEES

### TRUSTEES

(with date of first election)

Spencer Abraham (2016)  
*Chairman and Chief Executive Officer  
The Abraham Group LLC*

William H. Ahmanson (2017)  
*President  
The Ahmanson Foundation*

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

Rebecka Belldegrun (2016)  
*President and Chief Executive Officer  
Bellco Capital, LLC*

Sabeer Bhatia (2016)  
*Chief Executive Officer and  
Co-Founder  
Sabse Technologies, Inc.*

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*

Wenchi Chen (2012)  
*President and Chief Executive Officer  
VIA Technologies Inc.*

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  
Idealab*

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

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*

Ann Stimmler Johnson (2016)  
*Chief Executive Officer and Founder  
Iterana, Inc.*

G. Bradford Jones (2014)  
*Founding Partner  
Redpoint Ventures*

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

**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  
Admiralty Partners, Inc.*

**Taylor W. Lawrence (2017)**

**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*

**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)**  
*Chief Scientific Officer and  
Head of Therapeutics  
23andMe, Inc.*

**Timothy J. Sloan (2016)**  
*Senior Advisor and Partner  
Fortress Investments, LLC*

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

**Kevin M. Taweel (2012)**  
*Chairman  
Asurion*

**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 Córdova (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*

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

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

**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.*

**Walter L. Weisman (1988, 2007)**  
*Past Chairman and*  
*Chief Executive Officer*  
*American Medical International, Inc.*

**Gayle E. Wilson (1995, 2020)**  
*Nonprofit Consultant*

**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*

**Stephen D. Bechtel, Jr. (1967, 1997)**  
*Senior Director of Bechtel Group, Inc.*  
*Bechtel Group, Inc.*

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

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

**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.*

**Virginia V. Weldon (1996, 2010)**

*Senior Vice President for Public Policy*  
*(Retired)*  
*Monsanto Company*

## 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.  
Beldegrun, R. B. Chess\*, W. H.  
Davidow\*, J. B. Kutler\*, 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, J. S. Friedman,  
B. R. Inman, K. Kresa, A. Lidow, P. M.  
Neches, W. L. Weisman, G. E. Wilson;  
Consulting Participants: G. E. Moore,  
B. M. Rosen; Standing Attendees: D. A.  
Bailey, Jr., K. M. Gilmartin, D. Jergovic,  
J. T. Lum, S. H. Richland, M. Steurbaut,  
D. A. Tirrell, M. M. Watkins

**Audit and Compliance Committee**—D.  
W. Thompson, Chair; R. C. Bonner, Vice  
Chair; W. H. Ahmanson, A. S. Johnson,  
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, J. T. Lum,  
S. E. Patterson, S. H. Richland, T. F.  
Rosenbaum, M. Steurbaut, D. A. Tirrell,  
M. M. Watkins

**Conflict Review Subcommittee**—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 Attendee: 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;  
Consulting Participant: S. D. Bechtel,  
Jr.; Standing Attendees: D. A. Bailey,  
Jr., J. W. Cowell, K. M. Gilmartin, K.  
Hargreaves, D. Jergovic, J. T. Lum, S. H.  
Richland, M. Steurbaut, D. A. Tirrell

**Business and Finance Committee**—S.  
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Kaufman, W. G. Kortschak, K. Kresa, T.  
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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, W. L. Weisman, R. A. Wolf;  
Consulting Participant: H. M. Conger;  
Standing Attendees: D. A. Bailey, Jr.,  
D. Jergovic, S. A. Kayali, J. T. Lum,  
J. M. McCallin, S. E. Patterson, S. H.  
Richland, M. Steurbaut, D. A. Tirrell

**Development Committee**—W. H.  
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Chair; L. A. Booth, P. T. Cherng, M.  
D. Hummer-Tuttle, R. T. Jenkins, P. D.

\* *ex officio member*

Kaufman, W. G. Kortschak, K. Kresa, D. L. Lee\*, M. J. Mathews-Spradlin, D. D. McWhinney, E. A. Repetto, T. F. Rosenbaum\*, D. W. Tang, W. L. Weisman, R. A. Wolf; Standing Attendees: R. E. Amos, D. A. Bailey, Jr., S. M. Chabner, D. Jergovic, J. T. Lum, S. H. Richland, D. A. Tirrell

#### **Executive Compensation**

**Committee**—R. K. Linde, Chair; A. Lidow, Vice Chair; G. B. Jones, T. W. Lawrence, D. L. Lee\*, S. M. Malcom, P. M. Neches, W. L. Weisman; Standing Attendees: 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, A. S. Johnson, L. Kirkbride, D. L. Lee\*, M. J. 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., S. M. Chabner, K. M. Gilmartin, K. Hargreaves, D. Jergovic, 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, B. K. Hagopian, G. B. Jones, D. L. Lee\*, Li Lu, A. M. Lipper, T. F. Rosenbaum\*; Advisory Participants: S. Schnabel, R. Sinnott, L. N. West; Standing Attendees: 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. Abraham, S. Bailey, R. C. Bonner, D. E. Chavez, F. Córdova, 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. Pyott, S. A. Resnick, T. F. Rosenbaum\*, D. W. Thompson, C. R. Trimble, W. L. Weisman, G. E. Wilson, R. A. Wolf, S. H. Woolsey; Consulting Participant: G. E. Moore; Standing Attendees: D. A. Bailey, Jr., D. B. Gallagher, K. Hargreaves, L. D. James, D. Jergovic, J. T. Lum, S. H. Richland, M. Steurbaut, D. A. Tirrell, M. M. Watkins

**JPL Governance Subcommittee** [A subcommittee of the JPL Committee]—J. B. Kutler, Chair ex officio; M. G. Mullen, Vice Chair; 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, J. T. Lum, M. Steurbaut, D. A. Tirrell, M. M. Watkins

#### **Nominating Committee**—R.

Beldegrun, Chair; B. M. Bren, Vice Chair; A. Lidow, Vice Chair; S. Bailey, 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. Mathews-Spradlin, D. D. McWhinney, R. N. Merkin, R. L. Olson, T. F. Rosenbaum\*, D. W. Tang, W. L. Weisman, G. E. Wilson, S. H. Woolsey; Consulting Participant: V. V. Weldon; Standing Attendees: D. A. Bailey, Jr., D. Jergovic, J. T. Lum, S. H. Richland, D. A. Tirrell

#### **Student Experience Committee**—D.

D. McWhinney, Chair; A. S. Johnson, Vice 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., K. L. Gilmartin, D. Jergovic, J. T. Lum, D. C. Rees, S. H. Richland, D. A. Tirrell, C. A. Weinstein; Student Advisory Participants: M. R. E. Chuapoco, C. M. Went

#### **Technology Transfer Committee**—R.

B. Chess, Chair; R. A. Wolf, Vice Chair; R. Beldegrun, S. Bhatia, D. E. Chavez, W. Chen, P. T. Cherng, D. T. Dreier, L. M. Dyer, W. T. Gross, N. K. Gupta, B. K. Hagopian, D. D. Ho, R. T. Jenkins, A. S. Johnson, 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, K. M. Taweel, C. R. Trimble, L. W. van Amerongen; Consulting Participant: A. L. Goldstein; Standing Attendees: D. A. Bailey, Jr., K. Bhattacharya, F. Farina, D. Jergovic, J. T. Lum, S. H. Richland, M. Steurbaut, D. A. Tirrell

\**ex officio member*

# ADMINISTRATIVE OFFICERS



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*Provost*

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*Deputy General Counsel*

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*Vice President for Advancement and Alumni Relations*  
*Acting Secretary, Board of Trustees*

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*Vice Provost*

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*Chair of the Faculty*

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*Chief Communications Officer*

**Jin Chang**  
*Chief Information Officer*

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*Associate Vice President for Facilities*

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*Chief Innovation and Corporate Partnerships Officer*

**Kevin M. Gilmartin**  
*Vice President for Student Affairs*

**Kenneth Hargreaves**  
*Assistant Vice President, Strategy Implementation and External Relations Officer*

**Larry D. James**  
*Deputy Director Jet Propulsion Laboratory*

**Diana Jergovic**  
*Vice President, Strategy Implementation*

**Pamela D. Koyzis**  
*Associate Vice President of Audit Services and Institute Compliance*

**Jennifer T. Lum**  
*General Counsel*

**Lindsey E. Malcom-Piqueux**  
*Chief Institutional Research Officer*  
*Strategy Implementation*

**Julia M. McCallin**  
*Associate Vice President for Human Resources*

**Sharon E. Patterson**  
*Associate Vice President for Finance and Treasurer*

**Douglas C. Rees**  
*Dean of Graduate Studies*

**Scott H. Richland**  
*Chief Investment Officer*

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

**Richard P. Seligman**  
*Associate Vice President, Research Administration*

**Margo Steurbaut**  
*Vice President of Administration and Chief Financial Officer*

**Michael M. Watkins**  
*Vice President and Director, Jet Propulsion Laboratory*

**Cindy A. Weinstein**  
*Vice Provost*  
*Chief Diversity Officer*

## CHAIRS OF DIVISIONS

**Dennis A. Dougherty**  
*Chemistry and Chemical Engineering*

**John P. Grotzinger**  
*Geological and Planetary Sciences*

**Fiona A. Harrison**  
*Physics, Mathematics and Astronomy*

**Richard Murray**  
*Biology and Biological Engineering*

**Guruswami Ravichandran**  
*Engineering and Applied Science*

**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), J. Gumer (alternate), L. C. Hsieh-Wilson, K. C. Lencioni\*, C. Lois (alternate), D. J. Mayo\*, L. E. Quenee\*, J. Scapa\*, C. W. Scislowicz\* (alternate), R. P. Seligman\* (alternate), P. Vaishampayan, 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. Moffitt\*, 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, F. Hanner, R. Ismagilov, K. Lencioni\*, D. J. Mayo (alternate), L. Quenee\*, J. Scapa\* (alternate), C. Scislowicz\*, R. Seligman\*, P. Vaishampayan, 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†, V. R. Lambert†, E. O'Reilly‡, S. E. Patterson\*, Z. Ross, M. S. Shum, J. Zhang

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

**Environmental Health and Safety** (Reports to the President)—D. A.

Tirrell, Chair; K. Bhattacharya, J. W. Cowell\*, K. M. Gilmartin, P. D. Koyzis\*, C. Scislowicz\*, M. Steurbaut

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

**Institute Administrative Council (IAC)**—T. F. Rosenbaum, Chair; S. Atlee, D. Bailey, K. Bhattacharya, G. Blake, S. Chabner, J. Chang, J. W. Cowell, D. Dougherty, F. Farina, K. M. Gilmartin, J. P. Grotzinger, K. Hargreaves, F. A. Harrison, L. James, D. Jergovic, P. D. Koyzis, J. T. Lum, L. Malcom-Piqueux, J. M. McCallin, R. Murray, S. E. Patterson, G. Ravichandran, D. C. Rees, S. H. Richland, J.-L. Rosenthal, R. P. Seligman, M. Steurbaut, D. A. Tirrell, M. M. Watkins, 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, M. Lewis, Z. Mo, 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, 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; R. A. Andersen, Vice Chair, J. Ensminger, M. Ewens, M. J. Gibson, J. Gumer, I. Hildebrandt, L. Quenee\*, C. W. Scislowicz\*, R. P. Seligman\*, J. M. Tyszka\*, P. Vaishampayan, C. Yang, Advisor: J. T. Lum (or her designee)

**Radiation Safety** (Reports to the Vice President of Administration and Chief Financial Officer)—D. S. Burnett, 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 2020–21

## Officers

Chair: G. A. Blake, 2022  
Vice Chair: D. C. Chan, 2022  
Secretary: M. Effros, 2021

## Faculty Board

H. A. Atwater, 2022  
K. Batygin, 2022  
C. Daraio, 2023  
T. K. Dennison, 2021  
M. H. Dickinson, 2021  
J. M. Eiler, 2023  
D. Gilmore, 2022  
L. C. Hsieh-Wilson, 2023  
J. A. Kornfield, 2021  
M. Marcolli, 2023  
C. Martin, 2023  
M. Meister, 2022  
S. Pellegrino, 2023  
F. C. Porter, 2022  
G. R. Rossman, 2022  
E. Rothenberg, 2021  
B. M. Stoltz, 2021  
A. Wierman, 2021

## Ex Officio:

D. A. Dougherty  
K. M. Gilmartin  
J. P. Grotzinger  
F. A. Harrison  
R. M. Murray  
G. Ravichandran  
D. C. Rees  
T. F. Rosenbaum  
J-L. Rosenthal  
D. A. Tirrell

## Steering

G. A. Blake, Chair, 2022  
D. C. Chan, Vice Chair, 2022  
M. Effros, Secretary, 2021  
K. Bhattacharya\*  
T. K. Dennison, 2021  
J. A. Kornfield, 2021  
C. Martin, 2021  
E. Rothenberg, 2021  
D. A. Tirrell\*  
C. A. Weinstein\*  
A. Wierman, 2021

## Academic Freedom and Tenure

H. A. Lester, Chair, 2021  
K. Batygin, 2022  
E. Mantovan, 2021  
B. J. McKeon, 2021

A. J. Minnich, 2022  
M. L. Roukes, 2022

## Academic Policies

C. S. Parker, Chair, 2021  
M. Agranov, 2021  
B. Hassibi, 2021

## Athletics and Physical Education

T. K. Dennison, Chair, 2022  
M. E. Brown, 2022  
N. Chun\*  
J. Fuller, 2023  
T. F. Miller, 2021  
B. Mitchell\*  
D. Y. Tsao, 2021  
K. M. Zuev, 2023

## Convocations

W. C. Brown, Chair, 2023  
K. M. Gilmartin\*  
L. C. Hsieh-Wilson, 2021  
D. C. Rees\*

## Core Curriculum Steering

M. Okumura, Chair, 2021  
M. E. Brown, 2023  
F. M. Echenique, 2023  
K. M. Gilmartin\*  
M. L. Hunt, 2021  
N. R. Hutzler, 2021  
C. Jurca, 2023  
N. H. Katz, 2023  
C. Salinas\*  
A. Wierman, 2021  
K. G. Zinn, 2022

## Curriculum

A. J. Weinstein, Chair, 2022  
T. Agapie, 2021  
K. M. Gilmartin\*  
D. I. Meiron, 2023  
L. S. Pachter, 2023  
E. M. Rains, 2022  
C. Salinas\*  
A. F. Thompson, 2022

## Committee on Exchange Programs and Study Abroad (CEPSA)

H. B. Newman, Chair, 2021  
J. F. Adkins, 2021  
T. Agapie, 2021  
C. Daraio, 2023  
M. D. Dykstra, 2021  
I. Peter, 2023  
S. R. Quartz, 2022  
C. Salinas\*  
P. Schroeder, 2023  
L. B. Stolper\*

## Financial Aid

F. Eberhardt, Chair, 2021  
G. Blanquart, 2023

N. Chun\*  
D. Crewell\*  
K. M. Gilmartin\*  
J. R. Leadbetter\*  
C. S. Parker, 2021

#### **Foreign Students and Scholars**

A. Hoelz, Chair, 2021  
Y. Abu-Mostafa, 2021  
C. Daraio, 2021  
C. Frankenberg, 2022  
D. Mawet, 2023  
I. Smith\*  
Y. Xin 2023  
M. Zernicka-Goetz, 2023

#### **Freshman Admissions**

J. R. Leadbetter, Chair, 2022  
A. Blank, 2023  
C. F. Camerer, 2022  
X. Chen, 2023  
N. Chun\*  
G. A. George, 2022  
L. Hillenbrand, 2022  
J. Kirschvink, 2022  
J. A. Kornfield, 2021  
M. Meister, 2023  
P. W. Sternberg, 2023  
P. P. Vaidyanathan, 2021  
D. P. Weitekamp, 2021

#### **Graduate Studies**

D. I. Meiron\*, Chair  
A. D. Ames\*  
L. Cai\*  
W. M. Clemons\*  
M. Effros\*  
K. T. Faber\*  
A. Faraon\*  
C. Frankenberg\*  
K. P. Giapis\*  
N. Gilmore (non-voting)  
V. Gradinaru\*  
L. Hillenbrand\*  
N. Lapusta\*  
Y. Ni\*  
J. P. O'Doherty\*  
T. R. Palfrey\*  
R. B. Patterson\*  
D. Prober\*  
D. C. Rees\*  
P. Schroeder\*  
A. G. Siapas\*  
B. M. Stoltz\*  
A. F. Thompson\*  
T. G. Vidick\*  
L. Wang\*  
Y. Yue\*

#### **Health**

H. A. Lester, Chair, 2022  
J. L. Beauchamp, 2022  
K. M. Gilmartin\*  
S. Golwala, 2021

J. L. Howes\*  
A. P. Ingersoll, 2022  
C. Jurca, 2023  
J. M. McCallin\*  
B. Mitchell\*  
D. C. Rees\*  
J. Y. Tsai\*

#### **Institute Programs**

J. M. Eiler, 2023  
D. A. Bailey\*  
B. Brophy\*  
J. Cvitanic, 2023  
L. C. Hsieh-Wilson, 2022  
A. J. Minnich, 2021  
L. S. Pachter, 2022

#### **Library**

N. Wey-Gomez, Chair, 2022  
C. E. Bucholz, 2022  
B. Fultz, 2023  
W. A. Goddard, 2022  
B. A. Hay, 2023  
H. B. Newman, 2021

#### **Membership and Bylaws**

D. C. Chan, Chair, 2022  
M. Effros\*  
K. C. Border, 2022  
R. C. Flagan, 2022  
S. R. Kulkarni, 2023  
B. P. Wernicke, 2021

#### **Nominating**

M. L. Hunt, Chair, 2021  
T. K. Denison, 2022  
M. Effros\*  
H. A. Knutson, 2021  
E. S. Phinney, 2022  
P. W. Sternberg, 2021  
B. M. Stoltz, 2022

#### **Patents and Relations with Industry**

M. L. Roukes, Chair, 2021  
J. O. Dabiri, 2023  
A. Emami, 2023  
M. Guttman, 2023  
R. F. Ismagilov, 2021  
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. Pachter  
A. Santana\*  
C. M. Umans

\**ex officio member*

**Student Life and Housing**

A. Rangel, Chair, 2023  
D. Asimaki, 2023  
K. M. Gilmartin\*  
J. M. Jackson, 2023  
T. N. Mannion (non-voting)  
B. Mitchell\*  
R. B. Patterson, 2021  
E. S. Phinney, 2022  
D. C. Rees\*

**Undergraduate Academic Standards  
and Honors**

W. C. Brown, Chair, 2022  
X. Chen, 2021  
R. C. Flagan, 2022  
K. M. Gilmartin\*  
M. Guttman, 2021  
J. M. Jackson, 2022  
R. B. Patterson, 2021  
S. Pellegrino, 2022  
C. Salinas\*  
K. C. Schwab, 2022

**Upperclass Admissions**

D. Asimaki, Chair, 2022  
B. W. Filippone, 2021  
J. A. Jahner, 2022  
B. J. McKeon, 2022  
C. Salinas\*  
D. P. Weitekamp, 2022  
Y. L. Yung, 2022

*\*ex officio member*

# STAFF OF INSTRUCTION AND RESEARCH

## DIVISION OF BIOLOGY AND BIOLOGICAL ENGINEERING

**Richard M. Murray**  
*William K. Bowes Jr. Leadership Chair*

### Professors Emeriti

**John N. Abelson, Ph.D.**  
*George Beadle Professor of Biology*

**Charles J. Brokaw, Ph.D.**  
*Biology*

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

**Masakazu Konishi, Ph.D.**  
*Bing Professor of Behavioral Biology*

**Jean-Paul Revel, Ph.D.**  
*Albert Billings Ruddock Professor  
of Biology*

**Melvin I. Simon, Ph.D.**  
*Anne P. and Benjamin F. Biaggini  
Professor of Biological Sciences*

**James H. Strauss, Ph.D.**  
*Ethel Wilson Bowles and Robert  
Bowles Professor of Biology*

### Professors

**Ralph Adolphs, Ph.D.**  
*Bren Professor of Psychology,  
Neuroscience, and Biology; Allen V. C.  
Davis and Lenabelle Davis Leadership  
Chair, Caltech Brain Imaging Center;  
Director, Caltech Brain Imaging Center*

**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.**  
*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**  
*Robert Andrews Millikan Professor  
of Biology*

**Pamela Bjorkman, Ph.D.**  
*David Baltimore Professor of Biology*

**Marianne Bronner, Ph.D.**  
*Albert Billings Ruddock 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*

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

**Michael Elowitz, Ph.D.<sup>1</sup>**  
*Biology and Bioengineering;  
Executive Officer for Biological  
Engineering*

**Morteza Gharib, Ph.D.**  
*Hans W. Liepmann Professor  
of Aeronautics and Bioinspired  
Engineering; Director, Graduate  
Aerospace Laboratories; Director,  
Center for Autonomous Systems and  
Technologies*

**Lea Goentoro, Ph.D.**  
*Biology*

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

**Viviana Gradinaru, Ph.D.**  
*Neuroscience and Biological Engineering; Investigator, Heritage Medical Research Institute; Director, Center for Molecular and Cellular Neuroscience*

**Mitchell Guttman, Ph.D.**  
*Biology; Investigator, Heritage Medical Research 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; William K. Bowes Jr. Leadership Chair, Division of Biology and Biological Engineering*

**Sarkis Mazmanian, Ph.D.**  
*Luis B. and Nelly Soux Professor of Microbiology; Investigator, Heritage Medical Research Institute*

**Markus Meister, Ph.D.**  
*Anne P. and Benjamin F. Biaggini Professor of Biological Sciences; Executive Officer for Neurobiology*

**Elliot M. Meyerowitz, Ph.D.<sup>1</sup>**  
*George W. Beadle Professor of Biology*

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

**Dianne K. Newman, Ph.D.**  
*Gordon M. Binder/Amgen Professor of Biology and Geobiology; Allen V.C. Davis and Lenabelle Davis Leadership Chair, Center for Environmental Microbial Interactions; Executive Officer for Molecular Biology*

**Yuki Oka, Ph.D.**  
*Biology*

**Victoria J. Orphan, Ph.D.**  
*James Irvine Professor of Environmental Science and Geobiology; 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.**  
*Fred and Nancy Morris Professor of Biophysics, Biology, and Physics*

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

**David Prober, Ph.D.**  
*Biology*

**Lulu Qian, Ph.D.**  
*Bioengineering*

**Ellen Rothenberg, Ph.D.**  
*Albert Billings Ruddock 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*

**Athanassios G. Siapas, Ph.D.**  
*Computation and Neural Systems; Executive Officer for Computation and Neural Systems*

**Angelike Stathopoulos, Ph.D.**  
*Biology*

**Paul W. Sternberg, Ph.D.**  
*Bren Professor of Biology*

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

**Alexander J. Varshavsky, Ph.D.**  
*Thomas Hunt Morgan Professor of Cell Biology*

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

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*

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

#### **Assistant Professors**

Elizabeth J. Hong, Ph.D.  
*Clare Boothe Luce Assistant Professor  
of Neuroscience*

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*

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**

Tina R. Austin, M.S.  
Justin Bois, Ph.D.  
Lindsay Bremner, Ph.D.  
Andres Collazo, Ph.D.  
Pamela Eversole-Cire, Ph.D.  
Eric Hoopfer, Ph.D.

Julie Hoy, Ph.D.  
Eugenia Khorosheva, Ph.D.  
Sarah MacLean, Ph.D.  
Danny Petrasek, M.D., Ph.D.  
Carol Chace Tydell, D.V.M

#### **Research Professors**

Tsui-Fen Chou, Ph.D.  
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.  
Mary An-yuan Yui, Ph.D.

#### **Research Assistant Professor**

Alina Patke, Ph.D.

#### **Teaching Professor**

Justin S. Bois, Ph.D.

#### **Senior Faculty Associate**

Alice S. Huang, Ph.D.

#### **Visiting Associates**

Takuya Akashi, Ph.D.  
Clare Baker, Ph.D.  
Colleen Cavanaugh, Ph.D.  
William L. Caton III, M.D.  
Vasileios N. Christopoulos, Ph.D.  
Raymond Deshaies, Ph.D.  
Pamela Eversole-Cire, Ph.D.  
Jordi Garcia-Ojalvo, Ph.D.  
Ingileif Bryndis Hallgrimsdottir, Ph.D.  
Anne Hart, Ph.D.  
Elaine Hsiao, Ph.D.  
Collin Kieffer, Ph.D.  
Hyung Min Kim, Ph.D.  
Brian Lee, M.D., Ph.D.  
Carmel Levitan, Ph.D.  
Ye Li, Ph.D.  
Stephen B. Liggett, M.D.  
Charles Liu, M.D., Ph.D.  
Dao Nguyen, Ph.D.  
Adam Mamelak, Ph.D.  
Uri Maoz, Ph.D.  
Eric Mjolsness, Ph.D.  
Derrick Morton, Ph.D.  
Carmie Puckett Robinson, M.D.

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

Animesh Ray, Ph.D.  
Carol W. Readhead, Ph.D.  
Ueli Rutishauser, Ph.D.  
Daniel Schwartz, M.D.  
Mohammad Hassan Abdelrahman Shehata, Ph.D.  
Rishabh Shetty, Ph.D.  
Linda Ann Silveira, Ph.D.  
Amber Stubler, Ph.D.  
Tsu-Te Judith Su, Ph.D.  
Armand R. Tanguay, Ph.D.  
Carlo Urbinati, Ph.D.  
Tarciso Velho, Ph.D.  
Yuji Wang, Ph.D.  
Michael Waterman, Ph.D.  
Wei-Li Wu, Ph.D.  
Ying Zhang, Ph.D.

#### Members of the Professional Staff

Tyson Aflalo, Ph.D.  
Igor Antoshechkin, Ph.D.  
Stijn Cassenaer, Ph.D.  
Siyu Chen, Ph.D.  
Bruce Cohen, Ph.D.  
Andres Collazo, Ph.D.  
Rochelle A. Diamond, B.A.  
Spiros Garbis, Ph.D.  
Spencer Kellis, Ph.D.  
Ali Khoshnan, Ph.D.  
Evgeniy V. Lubenov, Ph.D.  
Kaushiki Menon, Ph.D.  
Hans-Michael Muller, Ph.D.  
Ker-hwa Ou, M.S.  
Jost Vielmetter, Ph.D.  
Anthony P. West, Jr., Ph.D.

#### Senior Postdoctoral Scholars

Shun Jia Chen, Ph.D.  
Andrew Flyak, Ph.D.  
Daniel Allen Lee, Ph.D.  
Chun-Shik Shin, Ph.D.  
Grigory Tikhomirov, Ph.D.  
Ruth Williams, Ph.D.

#### Postdoctoral Scholars

Eldad Afik, Ph.D.  
Zsuzsa Akos, Ph.D.  
Andrey Andreev Ph.D.  
David Angeles Albores, Ph.D.  
Amjad Askary, Ph.D.<sup>1</sup>  
Vineet Augustine, Ph.D.  
Stefan Badelt, Ph.D.  
Namrata Bali, Ph.D.  
Min Bao, Ph.D.  
Christopher Barnes, Ph.D.  
Luke Bashford, Ph.D.

Amir H. Behbahani, Ph.D.  
Kallol Bera, Ph.D.  
Christopher Charles Berger, Ph.D.  
David Bjanec, Ph.D.  
Mario Blanco, Ph.D.  
Máté Borsos, Ph.D.  
John Bostick Ph.D.  
Adrian Brueckner, Ph.D.  
Mark Budde, Ph.D.  
Elsy C. Buitrago Delgado, Ph.D.  
Mengyi Cao, Ph.D.  
Irene, Caprara, Ph.D.  
Stephen Carter, Ph.D.  
Yogaditya Chakrabarty, Ph.D.  
Dong-Yuan Chen, Ph.D.  
Wen Chen, Ph.D.  
Zibo Chen, Ph.D.  
Kai-Wen Cheng, Ph.D.  
Joun Hong Cho, Ph.D.  
Anjalika Chongtham, Ph.D.  
Peter Chovanec, Ph.D.  
George Chreifi, Ph.D.  
Roman A. Corfas, Ph.D.  
Andrew Cox, Ph.D.  
Tongtong Cui, Ph.D.  
Kurt M. Dahlstrom, Ph.D.  
Carla De Agostini Verna, Ph.D.  
Kristina Verena Dylla, Ph.D.  
Haruka Ebisu, Ph.D.  
Christopher J. Fiorese, Ph.D.  
Nicholas Flytzanis, Ph.D.  
Jorge Arturo Gamez de Leon, Ph.D.  
David Garcia, Ph.D.  
Walter Gabriel Gonzalez, Ph.D.  
Alejandro Adrian Granados Castro, Ph.D.  
Leopold N. Green, Ph.D.  
Bo Gu Ph.D.  
Hongsun Guo, Ph.D.  
Mikhail Hanewich Hollatz, Ph.D.  
Sébastien Hayoz, Ph.D.  
Livia Hecke Moraes, Ph.D.  
Ulrich Herget, Ph.D.  
Janis Karan Hesse, Ph.D.  
Richard Felix Horns, Ph.D.<sup>1</sup>  
Yongxi Hu, Ph.D.  
Shao-Min Hung, Ph.D.  
Erica Hutchins, Ph.D.  
Alison Inglis, Ph.D.  
Uriah Israel, Ph.D.  
Joanna Jachowicz, Ph.D.  
Min Jee Jang, Ph.D.  
Yan Jin, Ph.D.  
Yon Il Jung, Ph.D.  
Anat Kahan, Ph.D.  
Jessleen Kanwal, Ph.D.  
Mohammed Kaplan, Ph.D.  
Tomomi Karigo, Ph.D.  
Pegah Kassraian Fard, Ph.D.  
Ann Kennedy, Ph.D.  
Tahmineh Khazaei, Ph.D.  
Dongwook Kim, Ph.D.  
Sheila Kitchen, Ph.D.

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

Erin Koch, Ph.D.  
Theodora Koromila, Ph.D.  
Ezgi Kunttas-Tatli, Ph.D.  
Michael Lawson, Ph.D.  
James Lee, Ph.D.  
Kyu Hyun Lee Ph.D.  
Sanjun Lee, Ph.D.  
Katherine J. Leitch, Ph.D.  
Lingyun Li, Ph.D.<sup>1</sup>  
Shan Li, Ph.D.  
Ting Li, Ph.D.<sup>1</sup>  
Yatang Li, Ph.D.  
Lu Liu, Ph.D.  
Yuxi Liu, Ph.D.  
Zachery Lonergan Ph.D.  
Francisco Luongo, Ph.D.  
Ke Lyu, Ph.D.  
Frank Macabenta, Ph.D.  
Vishal Maingi, Ph.D.  
Sierra Marable, Ph.D.  
Megan Martik, Ph.D.  
Tara Mastro, Ph.D.  
Darcy McRose, Ph.D.  
Lauren Ann Metskas, Ph.D.  
Erick Moen, Ph.D.  
Krithika Mohan, Ph.D.  
George Mountoufaris, Ph.D.<sup>1</sup>  
Ranjani Murali, Ph.D.  
Brittany D. Needham, Ph.D.  
Susan Newcomb, Ph.D.  
Aaron L. Nichols, Ph.D.  
William Nicolas, Ph.D.  
Maria Ninova, Ph.D.  
Sumner Norman, Ph.D.  
Georg Oberhofer, Ph.D.  
Aki Ohdera, Ph.D.  
Noah Ollikainen, Ph.D.  
Youcef Ouadah, Ph.D.  
Ariana Peck, Ph.D.  
Nicolas Pelaez Restrepo, Ph.D.  
Michael Louis Piacentino, Ph.D.  
Tino Pleiner, Ph.D.  
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Thamer Alotaibi Aldaajani, Ph.D.  
*Geophysics*

Stuart Bartlett, Ph.D.  
*Geochemistry*

Juliette Becker, Ph.D.  
*Heising Simons Pegasi b Postdoctoral Scholar in Planetary Science*

Melanie Bieli, Ph.D.  
*Environmental Science and Engineering*

- Ilya Bobrovskiy, Ph.D.  
*Texaco Prize Postdoctoral Scholar in Geobiology*
- Lisanne Braat, Ph.D.  
*Geology*
- Johannes Buchen, Ph.D.  
*Geophysics*
- Gerrit Budde, Ph.D.  
*Geochemistry*
- Benjamin Cardenas, Ph.D.  
*Geology*
- Cristine Chen, Ph.D.  
*O.K. Earl Prize Postdoctoral Scholar in Geology*
- Antoine Cremiere, Ph.D.  
*Geobiology*
- Fei Dai, Ph.D.  
*Planetary Science*
- Luca Dal Zilio, Ph.D.  
*Geophysics*
- Sijia Dong, Ph.D.  
*Environmental Science and Engineering*
- Russell Doughty, Ph.D.  
*Environmental Science and Engineering*
- Danielle Draper, Ph.D.  
*Environmental Science and Engineering*
- Oliver Dunbar, Ph.D.  
*Environmental Science and Engineering*
- Stewart Edie, Ph.D.  
*Geobiology*
- Eryn Eitel, Ph.D.  
*Geobiology*
- Joseph Fitzgerald, Ph.D.  
*Foster and Coco Stanback Postdoctoral Scholar in Global Environmental Science*
- Manuel Florez Torres, Ph.D.  
*Geophysics*
- Jia He, Ph.D.  
*Environmental Science and Engineering*
- Elias Heimisson, Ph.D.  
*Geophysics*
- Jiashun Hu, Ph.D.  
*Geophysics*
- Zhengyu Huang, Ph.D.  
*Environmental Science and Engineering*
- Ery Hughes, Ph.D.  
*Geology*
- Vincent Humphrey, Ph.D.  
*Environmental Science and Engineering*
- Eugenia Hyung, Ph.D.  
*Geochemistry*
- Kyungjae Im, Ph.D.  
*Geology*
- Yamini Jangir, Ph.D.  
*Geobiology*
- Michael Kipp, Ph.D.  
*Geochemistry*
- Joshua Laughner, Ph.D.  
*Environmental Science and Engineering*
- Gen Li, Ph.D.  
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- Qiuyi Li, Ph.D.  
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- Zefeng Li, Ph.D.  
*Geophysics*
- Simon Lock, Ph.D.  
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*Geochemistry*
- Christopher Mankovich, Ph.D.  
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- Christopher Milliner, Ph.D.  
*Planetary Science*
- Kimberly Moore, Ph.D.  
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- Elizabeth Niespolo, Ph.D.  
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- Lenka Novakova, Ph.D.  
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- Sunyoung Park, Ph.D.  
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*Journalism*

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*Fiction*

Daniel Lewis, Ph.D.  
*History*

Peter McAniff, M.B.A, J.D.  
*Finance*

Trevor C. Merrill, Ph.D.  
*French*

Feng-Ying Ming, Ph.D.  
*Chinese*

Thomas A. Neenan, M.F.A.  
*Music*

Christiane H. Orcel, Ph.D.  
*French*

Elin O'Hara Slavick, M.F.A.  
*Photography*

Sandy Rodriguez, B.F.A.  
*Art*

Xiangyun Wang, Ph.D.  
*Chinese*

Kenneth J. Winston, Ph.D.  
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*Art and Design and Humanities and  
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Erik M. Conway, Ph.D.  
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John L. Heilbron, Ph.D.  
*History*

Jozsef Illy, Ph.D.  
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Sophia Kalantzakos, Ph.D.  
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Dorit Kliemann, Ph.D.  
*Cognitive Neuroscience*

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Dennis Lehmkühl, Ph.D.  
*Philosophy*

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*History*

Robert C. Ritchie, Ph.D.  
*History*

Mary Elise Sarotte, Ph.D.  
*History*

Tilman Sauer, Ph.D.  
*Theoretical Physics*

Mark J. Schiefsky, Ph.D.  
*Philosophy*

Jesse Schotter, Ph.D.  
*English*

Wolfram Schultz, Ph.D.  
*Neuroscience*

Damian Stanley, Ph.D.  
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Noel M. Swerdlow, Ph.D.  
*History*

Reza Tadayon Nejad, M.D., Ph.D.  
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Anita Tusche, Ph.D.  
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## Visitors

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*Neuroscience*

Zhongzheng Fu, PhD  
*Control and Dynamical Systems*

Laura Harrison, Ph.D.  
*Neuroscience*

Toby Wise, Ph.D.  
*Neuroscience*

## Member of the Professional Staff

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## Postdoctoral Scholars

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*Psychology and Economics*

Jian Cao, Ph.D.  
*Data Science and Election Integrity*

Caroline J. Charpentier, Ph.D.  
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Jeffrey A. Cockburn, Ph.D.  
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Kiyohito Iigaya, Ph.D.  
*Neuroscience*

David Kahn, Ph.D.  
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*Neuroscience*

Lisa Klüen, Ph.D.  
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Douglas Lee, Ph.D.  
*Neuroeconomics*

Vincent Y. Man, Ph.D.  
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Tanaz Molapour, Ph.D.  
*Computational Affective Neuroscience*

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