

PRESIDENT OF THE ACADEMY

Marcia K. McNutt

EDITOR-IN-CHIEF
May R. Berenbaum

ASSOCIATE EDITORS

Huda Akil
Angela M. Gronenborn
Philippa Marrack
Catherine J. Murphy
Dolores R. Piperno
Natasha V. Raikhel
Peter J. Rossky
Christine E. Seidman
Neil H. Shubin
B. L. Turner II
Mary C. Waters
David A. Weitz

EDITORIAL BOARD

Animal, Nutritional, and Applied

Microbial Sciences
Stephen M. Beverley
David L. Denlinger
Caroline S. Harwood
Xiang-Jin Meng
Lynn M. Riddiford
L. David Sibley
John R. Speakman
Thomas E. Spencer

Anthropology

Patricia L. Crown
Richard G. Klein
C. Owen Lovejoy
Joyce Marcus
James F. O'Connell
Elsa M. Redmond
Charles Stanish
Polly Wiessner
Melinda A. Zeder

Applied Mathematical Sciences

Peter J. Bickel
David L. Donoho
James A. Sethian
Bin Yu

Applied Physical Sciences

Gabriel Aeppli
Paul M. Chaikin
Zachary Fisk
Daan Frenkel
Christopher Jarzynski
Mehran Kardar
Risto M. Nieminen
Angel Rubio

Astronomy

Neta A. Bahcall
Daniela Calzetti

Biochemistry

Natalie G. Ahn
Marlene Belfort
Michael R. Botchan
F. Ulrich Hartl
Alberto R. Kornblihtt
Jim Manley

Kiyoshi Mizuuchi
Brenda A. Schulman
James A. Wells

Biophysics and Computational Biology

David Baker
Adriaan Bax
Axel T. Brunger
Yifan Cheng
William F. DeGrado
Yale E. Goldman
Barry H. Honig
James H. Hurley
Robert Langer
Karolin Luger
Susan Marqusee
J. Andrew McCammon
Peter B. Moore
Joseph D. Puglisi
Michael F. Summers

Cellular and Developmental Biology

Helen M. Blau
Denis Duboule
Lawrence S. Goldstein
Rebecca Heald
Brigid L. M. Hogan
Jeannie T. Lee
Roeland Nusse
Michael Rosbash
Janet Rossant
Gertrud M. Schüpbach
Susan Strome

Cellular and Molecular Neuroscience

Nancy Y. Ip
Liquan Luo
Jeremy Nathans
Amita Sehgal
Carla J. Shatz
Hee-Sup Shin
Joseph S. Takahashi

Chemistry

Lia Addadi
Joanna Aizenberg
Stephen J. Benkovic
Marcetta Y. Darensbourg
Joseph S. Francisco
Chad A. Mirkin
Shaul Mukamel
Monica Olvera de la Cruz
Amy C. Rosenzweig
Peter J. Stang

Computer and Information Sciences

William H. Press
Jennifer Rexford
Jeffrey D. Ullman

Earth, Atmospheric, and Planetary Sciences

Donald E. Canfield
W. G. Ernst
Jean Jouzel
David L. Kohlstedt
Michael Manga
Alexandra Navrotsky
A. R. Ravishankara
Lisa Tauxe

Mark H. Thiemens
John W. Valley

Economic Sciences

Jose A. Scheinkman

Engineering Sciences

Alexis T. Bell
James J. Collins
Pablo G. Debenedetti
Evelyn L. Hu
Yonggang Huang
Rakesh K. Jain
Klavs F. Jensen
Sang Yup Lee
Jens Nielsen
John A. Rogers

Environmental Sciences and Ecology

Zhisheng An
Edward F. DeLong
Robert E. Dickinson
James A. Estes
Mary K. Firestone
Susan P. Harrison
Alan Hastings
Nancy Knowlton
Simon A. Levin
Pablo A. Marquet
François M. M. Morel
Mary Power
Andrea Rinaldo

Evolutionary Biology

W. Ford Doolittle
Scott V. Edwards
Marcus W. Feldman
Douglas J. Futuyma
Raghavendra Gadagkar
Hopi E. Hoekstra
David Jablonski
Bruce R. Levin
Nancy A. Moran
Gene E. Robinson
Douglas W. Schemske
Nils C. Stenseth
Joan E. Strassmann

Genetics

Hugo Bellen
John Carlson
Louise T. Chow
Tina M. Henkin
Mary-Claire King
Douglas E. Koshland
Harmit S. Malik
Elaine A. Ostrander
John R. Pringle
Jasper Rine
Rodney Rothstein
Matthew P. Scott
Geraldine Seydoux
Anne M. Villeneuve
Graham C. Walker
Mariana F. Wolfner

Human Environmental Sciences

Arun Agrawal
Ruth S. DeFries
Susan Hanson
Diana M. Liverman
Karen C. Seto

B. L. Turner II
David Zilberman

Immunology and Inflammation

Robert L. Coffman
K. Christopher Garcia
Lewis L. Lanier
Tak Wah Mak
Carl F. Nathan
Lawrence Steinman
Tadatsugu Taniguchi
Arthur Weiss

Mathematics

Robion C. Kirby
Kenneth A. Ribet
Srinivasa S. R. Varadhan

Medical Genetics, Hematology, and Oncology

Anton J. Berns
James E. Cleaver
Joseph L. Goldstein
Tony Hunter
Peter A. Jones
Carol L. Prives
Owen N. Witte

Medical Physiology and Metabolism

Myles A. Brown
Christopher K. Glass
Barbara B. Kahn
C. Ronald Kahn
Robert J. Lefkowitz
David J. Mangelsdorf
Andrew R. Marks
Gerald I. Shulman

Microbial Biology

Yuan Chang
John M. Coffin
R. John Collier
Jorge E. Galan
Adolfo Garcia-Sastre
Stephen P. Goff
E. Peter Greenberg
Diane E. Griffin
Ralph R. Isberg
Malcolm A. Martin
Bernard Moss
Richard P. Novick
Michael B. A. Oldstone
Peter Palese
Lalita Ramakrishnan
Thomas E. Shenk
Thomas J. Silhavy
Patricia G. Spear

Physics

Curtis G. Callan Jr.
J. C. Seamus Davis
Anthony Leggett
Herbert Levine
Bernard F. Schutz

Physiology and Pharmacology

Susan G. Amara
Francisco Bezanilla
Nancy Carrasco

Mark T. Nelson
Donald W. Pfaff
Nieng Yan

Plant Biology

David Baulcombe
Phillip N. Benfey
Dominique Bergmann
Gloria M. Coruzzi
Mark Estelle
Stephen P. Long
Krishna K. Niyogi
Julian I. Schroeder
Douglas E. Soltis

Plant, Soil, and Microbial Sciences

Julia Bailey-Serres
James A. Birchler
Sean Cutler
Richard A. Dixon
Sheng Yang He
Donald R. Ort
Pamela C. Ronald
Qifa Zhang

Psychological and Cognitive Sciences

Renee Baillargeon
Martin S. Banks
Randall Engle
Susan T. Fiske
Michael S. Gazzaniga
Susan Gelman
Susan J. Goldin-Me
David J. Heeger
Barbara Landau
Henry L. Roediger
Elke U. Weber
Timothy D. Wilson

Social and Political Sciences

Richard D. Alba
Dalton Conley
Mark Granovetter
David D. Laitin
Ronald Lee
Margaret Levi
Douglas S. Massey
Adrian Raftery
Stephen W. Raudenbush
Kenneth W. Wachter

Sustainability Science

Arun Agrawal
Gregory P. Asner
William C. Clark
Ruth S. DeFries
Carl Folke
Susan Hanson
Diana M. Liverman
Bonnie J. McCay
Hans Joachim Schellnhuber
Karen C. Seto
B. L. Turner II
David Zilberman

Systems Neuroscience

Thomas D. Albright
Emery N. Brown
Charles D. Gilbert
Michael E. Goldberg
David J. Heeger
Tony Movshon
Marcus E. Raichle
Terrence J. Sejnowski
Peter L. Strick