

# 2017 HISTORICAL INFORMATION



5515 Security Lane, Suite 1110  
Rockville, Maryland 20852

Phone: 240-290-5600

Fax: 240-290-5555

society@biophysics.org

www.biophysics.org

## Table of Contents

Founding of the Society . . . . .	ii
Officers & Council . . . . .	ii
<i>Biophysical Journal</i> . . . . .	ii
Committees . . . . .	ii
Subgroups . . . . .	iii
Future Meetings . . . . .	iii
Past Officers . . . . .	iv
Past Executive Board Members . . . . .	iv
Past Council Members . . . . .	v
Past <i>Biophysical Journal</i> Editors & Editorial Board Members . . . . .	vii
Past Annual Meetings . . . . .	xi
Past National Lecturers . . . . .	xii
Past Symposia Chairs & Topics . . . . .	xii
Past Student Symposia Speakers & Topics . . . . .	xix
Past Award Winners . . . . .	xx
Constitution & Bylaws . . . . .	xxvi

The Directory is provided by the Biophysical Society for the personal use of the members of the Society. Any commercial use is forbidden without written authorization from an officer of the Society. The use of photocopies of these pages or portions thereof as mailing labels is forbidden.

©2017 by the Biophysical Society.

## The Founding of the Biophysical Society

The founding of the Biophysical Society was the outgrowth of the initiative of the Committee of Four, composed of Samuel A. Talbot, Chairman; Kenneth S. Cole; Ernest C. Pollard; and Otto H. Schmitt, elected by a group of interested scientists at the Federation Meeting in Atlantic City in April 1956. This Committee, assisted by Ralph W. Stacy, Local Arrangements Chairman and Herman P. Schwan, Publicity Chairman, organized and administered the First National Biophysics Conference held in Columbus, Ohio, March 4–6, 1957. At the business meeting held during this conference, presided over by Max A. Lauffer, the decision was made to organize the Biophysical Society and a Temporary Council was elected. The Temporary Council later elected Robley C. Williams as its President, adopted the Constitution and Bylaws of the Society, developed by a committee chaired by Max A. Lauffer, formulated a temporary plan of operation for the first year of the Society, prepared a slate of officers for the first year and planned, with Cyrus Levinthal as Program Chairman and Arthur K. Solomon as Local Arrangements Chairman, the second meeting of the Biophysical Society held early in 1958 in Cambridge, Massachusetts. At this meeting, the recommendations of the Temporary Council were accepted, the Constitution and Bylaws were ratified and the proposed slate of officers elected, thereby formally founding the Biophysical Society.

### 2017 Officers & Council

#### Officers

Lukas Tamm, President  
Angela Gronenborn, President-Elect  
Suzanne Scarlata, Past-President  
Kalina Hristova, Treasurer  
Frances Separovic, Secretary

#### Council

##### *Term Ending 2018*

Robert Nakamoto  
Erin Sheets  
Ruth Heidelberg  
Gabriela Popesou

##### *Term Ending 2019*

Jane Clarke  
Bertrand Garcia-Moreno  
Arthur Palmer  
Joanna Swain

##### *Term Ending 2020*

Zev Bryant  
Teresa Giraldez  
Ruben Gonzalez  
Marina Ramirez-Alvarado

### *Biophysical Journal*

#### Editor-in-Chief

Jane Dyson

#### Associate Editors

E. Michael Ostap  
David Piston  
Michael Pusch  
Elizabeth Rhoades  
Brian Salzberg  
Tamar Schlick  
Stanislav Shvartsman  
Claudia Steinem

#### Editorial Board

##### *Term Ending 2017*

Reka Albert  
Dan Beard  
Alexander Berezhkovskii  
David Cafiso  
Amadeo Cafilisch

Jennifer Curtis  
Bert de Groot  
Markus Deserno  
Michael Dustin  
Sharyn Endow  
Joe Falke  
Jose Faraldo-Gomez  
Michael Feig  
Zemer Gitai  
James Grotberg  
Dorit Hanein  
Mei Hong  
Kalina Hristova  
Elizabeth Komives  
Chris Lingle  
Tim Lohman  
Francesca Marassi  
Keir Neuman  
David Odde  
George Oster  
Rohit Pappu  
Jeff Peng  
Andrew Plested  
Jennifer Ross  
Michael Sattler  
Stanislav Shvartsman  
Godfrey Smith  
Claudia Steinem  
Ed Stuenkel  
Cecile Sykes  
Emad Tajkhorshid  
M. Vendruscolo  
Alissa Weaver  
Steven Wiley  
Chris Yip

##### *Term Ending 2018*

Fazly Ataullakhanov  
Nathalie Balaban  
Julie Biteen  
Dennis Bray  
Mark Cannell  
Henry Colecraft  
Enrique de la Cruz  
Alex Dunn  
Andreas Engel  
Stephen Evans  
Nancy Forde  
Ian Forster  
Jeff Fredberg  
Cathy Galbraith  
Peter Hegemann

Christine Heitsch  
Vasanthi Jayaraman  
William Kobertz  
Anatoly Kolomeisky  
Philip LeDuc  
Joseph Mindell  
Tom Misteli  
Karin Musier-Forsyth  
Valentin Nagerl  
Celeste Nelson  
Wilma Olson  
Georg Pabst  
Tom Perkins  
Jody Puglisi  
Michael Pusch  
Matthias Rief  
David Rueda

Simon Scheuring  
Tamar Schlick  
Ned Seeman  
James Shorter  
Ana-Suncana Smith  
James Sneyd  
Eric Sobie  
Andy Spakowitz  
Sean Sun  
David Thomas  
Jill Trehwella  
Elsa Yan

##### *Term Ending 2019*

Mark Alber  
Madan Babu  
Nathan Baker  
Ruth Baker  
Tobias Baumgart  
Laurent Blanchoin  
Michael Brown  
Markus Buehler  
Baron Chanda  
Chris Chipot  
James Cole  
Charles Deber  
Stefan Diez  
David Eliezer  
Monika Fuxreiter  
Margaret Gardel  
Katharina Gaus  
Arne Gericke  
Miriam Goodman  
Michael Grabe

Alan Grodzinsky  
Jochen Guck  
Jason Kahn  
James Keener  
Kinneret Keren  
David Lilley  
Hiroyuki Noji  
Jochen Mueller  
Tommy Nylander  
Kazuhiro Oiwa  
Michael Ostap  
Amy Palmer  
David Piston  
Dan Raleigh  
Elizabeth Rhoades  
Steven Rosenfeld  
Brian Salzberg  
David Sept  
Wendy Shaw  
Vivek Shenoy  
Arthur Sherman  
Dimitrios Stamou  
Jason Swedlow  
Peter Tieleman  
Matthew Tyska  
Antoine van Oijen  
David Warshaw  
Raimond Winslow  
Gijs Wuite  
Joe Zasadzinski

### Society Committees

#### Awards

Elizabeth Komives, Chair (2019)  
Ivet Bahar (2020)  
James Bowie (2020)  
Klaus Gawrisch (2018)  
Richard Kriwacki (2019)  
Antoine van Oijen (2019)  
Suzanne Scarlata, ex officio  
Lukas Tamm, ex officio  
Angela Gronenborn, ex officio

#### Early Careers

Bert Tanner, Chair (2019)  
Frank Bosmans (2020)  
Anthony Cammarato (2020)  
Holly Holman (2018)  
Nathan Hudson (2019)  
Joelle Labastide (2020)

Joseph Mindell (2019)  
Joseph Muretta (2019)  
Thao Nguyen (2019)  
Medha Pathak (2019)  
Cathy Proenza (2019)  
Vidhya Sivakumaran (2018)  
Sweta Vangaveti (2019)  
Dianwen Zhang (2018)  
Yubin Zhou (2020)  
Hua Zhu (2020)

## Education

Gina MacDonald, Chair (2020)  
Gundula Bosch (2017)  
Ashley Carter (2018)  
Linda Columbus (2018)  
Sharlene Denos (2019)  
Sharyn Endow (2020)  
Esmael Haddadian (2018)  
Dirar Hormouz (2020)  
Nael McCarty (2020)  
Pedro Muino (2020)  
Peter Nelson (2019)  
Horia Petrache (2019)  
Allen Price (2020)  
Pranav Rathi (2018)  
Yadilette Rivera-Colon (2018)  
Alex Small (2019)  
Patricia Soto (2018)  
David Stokes (2019)  
Paul Urayama (2020)  
Seth Weinberg (2019)  
Elizabeth Yates (2019)

## Finance

Kalina Hristova, Chair (2021)  
Olaf Andersen, ex officio  
Timothy Cross (2018)  
Samantha Harris (2018)  
Criss Hartzell (2019)  
Frances Separovic, ex officio  
Lukas Tamm, ex officio

## International Relations

Daumantas Matulis, Chair (2019)  
Teresa Giraldez (2020)  
Jose Grigera (2019)  
Khaled Machaca (2020)  
Khalid Salaita (2019)

## Inclusion and Diversity (CID)

Marina Ramirez-Alvarado, Chair (2019)  
Stephen Abini-Agbomson (2018)  
Julia Bourg (2020)  
Otonye Braide (2020)  
Samuel Cho (2020)  
Daryl Eggers (2020)  
Candice Etson (2019)  
Ernesto Fuentes (2020)  
Ruben Gonzalez (2019)  
Alemayehu Gorfe (2018)  
Kim Ha (2020)  
Eda Koculi (2018)  
Santiago Schnell (2019)  
Ben Stottrup (2019)  
Kandice Tanner (2020)  
Lipi Thurkral

## Membership

Juliette Lecomte, Chair (2018)  
Ann-Sofie Cans (2020)  
Melanie Cocco (2020)  
Jim Cole (2019)  
Robert Dempski (2019)  
Michael Fried (2019)  
Sonia Gregory (2020)  
Taviare Hawkins (2020)  
Jonathan Rocheleau (2020)  
Douglas Swank (2018)  
Frances Separovic, ex officio

## Member Services (MSC)

Frances Separovic, Chair  
Juliette Lecomte  
Gina MacDonald  
Daumantas Matulis  
Gabriela Popescu  
Marina Ramirez-Alvarado  
Bert Tanner

## Nominating for 2017 Slate

Arthur Palmer, Chair  
Michael Pusch  
Jonathan Rocheleau  
Joanna Swain  
Erin Sheets, Past Chair  
Suzanne Scarlata, ex officio

## Professional Opportunities for Women (CPOW)

Gabriela Popescu, Chair (2018)  
Sarah Bondos (2019)  
Angela Brown (2020)  
Silvia Cavagnero (2020)  
Sudha Chakrapani (2018)  
Julio Cordero (2019)  
Evelyne Deplazes (2019)  
Carmen Domene (2019)  
Marta Filizola (2018)  
Karen Fleming (2020)  
Dorit Hanein (2018)  
Ryan Hoffman (2019)  
Constance Jeffery (2018)  
Susy Kohout (2018)  
Thao Nguyen (2018)  
Liliana Quintanar (2018)  
Marina Ramirez-Alvarado (2020)  
Yuly Sanchez-Mendoza (2019)  
Emily Smith (2019)  
Liskin Swint-Kruse (2019)  
Pernilla Wittung-Stafshede (2020)  
Eleonora Zakharian (2019)

## Program Committee 2017 Annual Meeting

David Piston, Co-Chair  
Catherine Royer, Co-Chair  
Olga Boudker  
Samantha Harris  
Antoine van Oijen  
Jon Sack  
Vasanthi Jayaraman, Past Co-Chair  
E. Michael Ostap, Past Co-Chair

## Program Committee 2018 Annual Meeting

Anne Kenworthy, Co-Chair  
Francesca Marassi, Co-Chair  
Olga Boudker  
Samantha Harris  
Michael Pusch

David Piston, Past Co-Chair  
Catherine A. Royer, Past Co-Chair

## Publications

Olaf Andersen, Chair (2018)  
Da-Neng Wang, BJ Subcommittee Chair (2018)  
Linda Columbus (2020)  
Carol Deutsch (2019)  
William Hancock (2019)  
Marjorie Longo (2019)  
Gail Robertson (2019)  
Catherine Royer (2020)  
Dierk Thomas (2019)  
David Warshaw (2018)  
Chris Yip (2020)  
William Zagotta (2018)  
Kalina Hristova, ex officio

## Public Affairs

Edward H. Egelman, Chair (2018)  
Dorothy Beckett (2018)  
Timothy A. Cross (2018)  
Yale E. Goldman (2018)  
Kathleen Hall (2018)  
Samantha Harris (2018)  
Eric Jakobsson (2018)  
Jonathan King (2019)  
Arnold Revzin (2020)  
Tara Schwetz (2018)  
Randy Wadkins (2019)  
Seth Weinberg (2018)  
Harel Weinstein (2018)  
Peter Winter (2019)  
Tianqi Zhang (2020)  
Lukas Tamm, ex officio  
Frances Separovic, ex officio

## Thematic Meetings

Richard Aldrich, Chair (2018)  
Edward Egelman (2018)  
Vincent Hilser (2019)  
Miguel Holmgren (2019)  
Vasanthi Jayaraman (2020)  
Linda Kenney (2019)  
Tanja Kortemme (2019)  
Joseph Mindell (2020)  
Antoine van Oijen (2020)  
Ming Zhou (2019)  
Andrej Sali, ex officio

## Subgroups

### Bioenergetics

Elizabeth Jonas, Co-Chair (2020)  
George Porter, Co-Chair (2020)

### Bioengineering

Jonathan Rocheleau, Chair (2018)

### Biological Fluorescence

Michelle Digman, Chair (2018)

### Biopolymers in Vivo

Patricia Clark, Chair (2018)

### Cryo-EM

Tamir Gonen, Chair (2018)

### Exocytosis & Endocytosis

Dixon Woodbury, Chair (2018)

### Intrinsically Disordered Proteins

Jean Baum, Chair (2018)

## Mechanobiology

Alex Dunn, Chair (2018)

## Membrane Biophysics

Jose Faraldo-Gomez (2018)

## Membrane Structure & Assembly

Tobias Baumgart, Chair (2018)

## Molecular Biophysics

Philip Kukura, Chair (2018)

## Motility & Cytoskeleton

Carolyn Moores, Co-Chair (2018)  
Kristen Verhey, Co-Chair (2018)

## Nanoscale Biophysics

Wesley Wong, Chair (2018)

## Permeation & Transport

Olga Boudker, Chair (2018)

---

## Future Meetings

### 2018

San Francisco, California  
February 17–21

### 2019

Baltimore, Maryland  
February 23–27

### 2020

San Diego, California  
February 15–19

### 2021

Boston, Massachusetts  
February 18–24

### 2022

San Francisco, California  
February 19–23

### 2023

San Diego, California  
February 18–22

### 2024

Philadelphia, Pennsylvania  
February 10–14

### 2025

Los Angeles, California  
February 15–19

### 2026

San Francisco, California  
February 21–25

### 2027

Philadelphia, Pennsylvania  
February 20–24

### 2028

San Diego, California  
February 19–23

### 2029

San Francisco, California  
February 17–21

### 2030

Philadelphia, Pennsylvania  
February 16–20

### 2031

San Diego, California  
February 15–19

---

## Past Officers

### President

1958-1960 Robley C. Williams  
1960-1961 Ernest C. Pollard  
1961-1962 Max A. Lauffer  
1962-1963 J. Lawrence Oncley  
1963-1964 Kenneth S. Cole  
1964-1965 Richard Roberts  
1965-1966 Thomas F. Anderson  
1966-1967 Alan C. Burton  
1967-1968 Dean Cowie  
1968-1969 Manuel Morales  
1969-1970 Richard B. Setlow  
1970-1971 Robert L. Sinsheimer  
1971-1972 Fred Snell  
1972-1973 Frederic M. Richards  
1973-1974 Peter H. von Hippel  
1974-1975 Andrew G.  
Szent-Gyorgyi  
1975-1976 Michael Beer  
1976-1977 Thomas E. Thompson  
1977-1978 Jane K. Setlow  
1978-1979 George Eisenman  
1979-1980 Charles Tanford  
1980-1981 Margaret O. Dayhoff  
1981-1982 Lee D. Peachey  
1982-1983 William A. Hagins  
1983-1984 V. Adrian Parsegian  
1984-1985 Gary Ackers  
1985-1986 Joseph F. Hoffman  
1986-1987 Stuart G. McLaughlin  
1987-1988 Victor A. Bloomfield  
1988-1989 Robert M. Stroud  
1989-1990 Sidney Fleischer  
1990-1991 Barry Honig  
1991-1992 Donald L. D. Caspar  
1992-1993 Thomas D. Pollard  
1993-1994 Norma M. Allewell  
1994-1995 Ralph G. Yount  
1995-1996 Lila M. Gierasch  
1996-1997 Stephen H. White  
1997-1998 Clare K. Woodward  
1998-1999 Ken A. Dill  
1999-2000 Jonathan A. King  
2000-2001 Christopher Miller  
2001-2002 Mary D. Barkley  
2002-2003 Wilma K. Olson  
2003-2004 Yale E. Goldman  
2004-2005 Stephen C. Harvey  
2005-2006 Steven M. Block  
2006-2007 Barry R. Lentz  
2007-2008 Joseph J. Falke  
2008-2009 Harel Weinstein  
2009-2010 Henry Lester  
2010-2011 Peter B. Moore  
2011-2012 Richard Aldrich  
2012-2013 Jane Richardson  
2013-2014 Francisco Bezanilla  
2014-2015 Dorothy Beckett  
2015-2016 Edward Egelman  
2016-2017 Suzanne Scarlata

### Secretary

1958-1963 Samuel A. Talbot  
1963-1967 William Sleator  
1967-1971 William A. Brodsky  
1971-1979 Margaret O. Dayhoff  
1979-1987 Winona C. Barker  
1987-1995 Stephen H. White

1995-1999 Sarah Hitchcock-  
DeGregori  
1999-2003 Jill Trehwella  
2003-2007 Ruth A. Altschuld  
2007-2011 Dorothy Beckett  
2011-2015 Lukas Tamm

### Treasurer

1958-1962 Ralph W. Stacy  
1962-1970 Irving Gray  
1970-1979 John B. Wolff  
1979-1983 Elizabeth W. Stephenson  
1983-1997 Richard W. Lymn  
1987-1995 Robert B. Gunn  
1995-1999 David W. Deamer  
1999-2003 Antonio Scarpa  
2003-2009 Mordecai Blaustein  
2009-2013 Linda Kenney  
2013-2017 Paul Axelsen

---

## Past Executive Board Members

The list of past Executive Board members has been reconstructed from various Society documents. However, some of the old records are incomplete. Over the years, the Constitution has been amended to change the number of Executive Board members and the length of their terms. The Executive Board was eliminated in 2013.

### 1958/59

Max A. Lauffer  
Ernest C. Pollard  
Walter A. Rosenblith  
Otto H. Schmitt  
Arthur K. Solomon  
H. Burr Steinbach

### 1959/60

Thomas F. Anderson  
Max A. Lauffer  
J. Lawrence Oncley  
Walter A. Rosenblith  
Arthur K. Solomon

### 1960/61

Kenneth S. Cole  
Frank Brink, Jr.  
J. Lawrence Oncley  
Walter A. Rosenblith  
Robley C. Williams

### 1961/62

Frank Brink, Jr.  
Kenneth S. Cole  
Ernest C. Pollard  
Richard Roberts  
Robert L. Sinsheimer

### 1962/63

Records incomplete

### 1963/64

Frank Brink, Jr.  
J. Lawrence Oncley  
Robley C. Williams  
Raymond Zirkle

### 1964/65

Philip Abelson  
Edward MacNichol, Jr.  
J. Lawrence Oncley

Otto H. Schmitt  
Fred M. Snell

### 1965/66

Roy Britten  
Harold Morowitz  
J. Lawrence Oncley  
Otto H. Schmitt  
Raymond Zirkel

### 1966/67

Roy Britton  
Karl Frank  
John Moore  
Richard Setlow  
Fred M. Snell

### 1967/68

Philip Abelson  
Norman Anderson  
Roy Britton  
Howard Mel  
Fred M. Snell

### 1968/69

David E. Green  
John W. Moore  
John R. Platt  
Richard Podolsky  
Fred M. Snell

### 1969/70

Michael Beer  
Philip C. Hanawalt  
Lorin J. Mullins  
William W. Sleator  
Robert B. Uretz

### 1970/71

Michael Beer  
Philip C. Hanawalt  
Daniel C. Tosteson  
Lorin J. Mullins  
Robert B. Uretz

### 1971/72

Michael Beer  
Max A. Lauffer  
Daniel C. Tosteson  
Peter H. von Hippel  
Annemarie Weber

### 1972/73

George Eisenman  
Gary Felsenfeld  
Max A. Lauffer  
Lester Packer  
Annemarie Weber

### 1973/74

Alice Burton  
Frederick A. Dodge, Jr.  
William F. Harrington  
Alfred Strickholm  
Thomas E. Thompson

### 1974/75

Marie M. Cassidy  
Frederick A. Dodge, Jr.  
V. Adrian Parsegian  
Clifford S. Patlak  
Thomas E. Thompson

### 1975/76

Lawrence B. Cohen  
Daphne Hare

William F. Harrington  
Paul O. P. Ts'ó  
David A. Yphantis

### 1976/77

Warren L. Butler  
Roderick K. Clayton  
John Gergely  
Daphne Hare  
Kensal E. Van Holde

### 1977/78

Charles P. Bean  
Sonja Krause  
Lee D. Peachey  
Robley C. Williams, Jr.  
David A. Yphantis

### 1978/79

Charles P. Bean  
Barbara A. Hamkalo  
Audrey E. V. Haschemeyer  
Lee D. Peachey  
Thomas D. Pollard

### 1979/80

Records incomplete

### 1980/81

Victor A. Bloomfield  
Susan Lowey  
Lester Packer  
Richard Podolsky  
John B. Wolff

### 1981/82

Cecilia Hidalgo  
Stuart G. McLaughlin  
Richard Podolsky  
Stephen H. White  
John B. Wolff

### 1982/83

Rhoda Blostein  
Joseph F. Hoffman  
Stuart G. McLaughlin  
Antonio Scarpa  
Stephen H. White

### 1983/84

Francisco Bezanilla  
Barbara Brodsky  
Robert S. Eisenberg  
Stuart G. McLaughlin  
Elizabeth W. Stephenson

### 1984/85

Francisco Bezanilla  
Barbara Brodsky  
Robert S. Eisenberg  
Elizabeth W. Stephenson  
Watt W. Webb

### 1985/86

Francisco Bezanilla  
Robert S. Eisenberg  
Sidney Fleischer  
Avril Somlyo

### 1986/87

Sidney Fleischer  
Christopher Miller  
Jane S. Richardson  
Avril Somlyo

**1987/88**

Christopher Miller  
 Peter L. Pedersen  
 Jane S. Richardson  
 Brian M. Salzberg

**1988/89**

Peter L. Pedersen  
 Thomas D. Pollard  
 Brian M. Salzberg  
 Martha M. Teeter

**1989/90**

Norma M. Allewell  
 Sarah E. Hitchcock-DeGregori  
 Thomas D. Pollard  
 Martha M. Teeter

**1990/91**

Norma M. Allewell  
 Judith Herzfeld  
 Sarah E. Hitchcock-DeGregori  
 Lee Makowski

**1991/92**

Yale E. Goldman  
 Judith Herzfeld  
 Lee Makowski  
 Clare K. Woodward

**1992/93**

Mary D. Barkley  
 Ken A. Dill  
 Yale E. Goldman  
 Clare K. Woodward

**1993/94**

Mary D. Barkley  
 Ken A. Dill  
 Jack H. Kaplan  
 Wilma K. Olson

**1994/95**

Jack H. Kaplan  
 Henry A. Lester  
 Wilma K. Olson  
 Jill Trehwella

**1995/96**

Steven M. Block  
 Henry A. Lester  
 Jill Trehwella  
 David M. Warshaw

**1996/97**

Steven M. Block  
 W. Jonathan Lederer  
 Madeline A. Shea  
 David M. Warshaw

**1997/98**

Donald M. Bers  
 W. Jonathan Lederer  
 Richard L. Moss  
 Madeline A. Shea

**1998/99**

Donald M. Bers  
 Meredith Bond  
 Richard L. Moss  
 Barbara Seaton

**1999/2000**

Meredith Bond  
 William A. Cramer  
 Barbara Seaton  
 Steven A. Siegelbaum

**2000/01**

William A. Cramer  
 Joseph J. Falke  
 Steven A. Siegelbaum  
 Brian M. Salzberg

**2001/02**

Dorothy Beckett  
 David DeRosier  
 Joseph J. Falke  
 Brian M. Salzberg

**2002/03**

Dorothy Beckett  
 David DeRosier  
 Cristobal G. dos Remedios  
 Stephen C. Harvey

**2003/04**

Cristobal G. dos Remedios  
 Stephen C. Harvey  
 Eva Nogales  
 Liga G. Toro de Stefani

**2004/05**

Justin Molloy  
 Eva Nogales  
 Ligia G. Toro de Stefani  
 Clara Franzini-Armstrong

**2005/06**

Clara Franzini-Armstrong  
 Linda Kenney  
 Justin E. Molloy  
 Frederick Sachs

**2006/07**

Linda J. Kenney  
 David P. Piston  
 Frederick Sachs  
 Suzanne Scarlata

**2007/08**

Paul Axelsen  
 Rajini Rao  
 Suzanne Scarlata  
 Jennifer Lippincott-Schwartz

**2008/09**

Paul Axelsen  
 David Dawson  
 Jennifer Lippincott-Schwartz  
 Lynne J. Regan

**2009/10**

David Dawson  
 Susan Gilbert  
 Lynne J. Regan  
 Catherine A. Royer

**2010/11**

Olaf Andersen  
 Ivet Bahar  
 Susan Gilbert  
 Catherine A. Royer

**2011/12**

Olaf Andersen  
 Ivet Bahar  
 Laura Finzi  
 Vasanthi Jayaraman

**2012/13**

Laura Finzi  
 Karen Fleming  
 Taekjip Ha  
 Vasanthi Jayaraman

**Past Council Members**

(Council members serve for three years.)

**Term Ending 1958**

Francis D. Carlson  
 Kenneth S. Cole  
 H. K. Hartline  
 Max A. Lauffer  
 Cyrus Levinthal  
 Ernest C. Pollard  
 Eugene I. Rabinowitch  
 Cornelius A. Tobias

**Term Ending 1959**

N. R. Rashevsky  
 Alexander Rich  
 Richard Roberts  
 Walter A. Rosenblith  
 Francis O. Schmitt  
 Arthur K. Solomon  
 H. Burr Steinbach  
 Raymond E. Zirkle

**Term Ending 1960**

Thomas F. Anderson  
 Seymour Benzer  
 Melvin Calvin  
 Francis D. Carlson  
 J. Lawrence Oncley  
 Alexander Rich  
 H. Burr Steinbach

**Term Ending 1961**

H. K. Hartline  
 Max A. Lauffer  
 Theodore T. Puck  
 Walter A. Rosenblith  
 Francis O. Schmitt  
 Cornelius A. Tobias  
 Raymond E. Zirkle

**Term Ending 1962**

Britton Chance  
 Kenneth S. Cole  
 John C. Kendrew  
 Cyrus Levinthal  
 Eugene I. Rabinowitch  
 Otto H. Schmitt  
 Arthur K. Solomon

**Term Ending 1963**

Seymour Benzer  
 Melvin Calvin  
 Francis D. Carlson  
 Arne Engstrom  
 Manuel Morales  
 J. Lawrence Oncley  
 Robert L. Sinsheimer

**Term Ending 1964**

Richard S. Bear  
 Alan C. Burton  
 Dean Cowie  
 Alan J. Hodge  
 Alexander Rich  
 Alexander Sandow  
 Herman P. Schwan

**Term Ending 1965**

Philip Abelson  
 Alexander Hollaender  
 Aaron Novick  
 Francis O. Schmitt  
 Fred M. Snell  
 David Waugh  
 Robley C. Williams

**Term Ending 1966**

E. Peter Geiduschek  
 John Kendrew  
 Max A. Lauffer  
 Cyrus Levinthal  
 Ernest C. Pollard  
 Otto H. Schmitt  
 Raymond E. Zirkle

**Term Ending 1967**

Ellis Bolton  
 Herman Branson  
 David Davies  
 Karl Frank  
 Edward F. MacNichol  
 Richard B. Setlow  
 Fritiof S. Sjostrand

**Term Ending 1968**

Norman G. Anderson  
 Roy J. Britten  
 Humberto Fernandez-Moran  
 David E. Goldman  
 Josiah Macy, Jr.  
 Alexander Mauro  
 Harold J. Morowitz

**Term Ending 1969**

Howard Mel  
 John W. Moore  
 John R. Platt  
 Theodore T. Puck  
 Alexander Rich  
 Frederic M. Richards  
 Cornelius A. Tobias

**Term Ending 1970**

Philip H. Abelson  
 Irving M. Klotz  
 Wilfried H. M. Mommaerts  
 Richard J. Podolsky  
 Harold A. Sheraga  
 William Sleator  
 Charles A. Thomas

**Term Ending 1971**

Michael Beer  
 Norman A. Coulter  
 David E. Green  
 Rita Guttman  
 Shinya Inoue  
 Lorin J. Mullins  
 David A. Yphantis

**Term Ending 1972**

James F. Bonner  
 Isidore S. Edelman  
 Philip C. Hanawalt  
 Albert L. Lehninger  
 Ernest C. Pollard  
 Walter A. Rosenblith  
 Robert B. Uretz

**Term Ending 1973**

Peter F. Curran  
 Gary Felsenfeld  
 Terrell L. Hill  
 Raymond A. Sjodin  
 Daniel C. Tosteson  
 Peter H. von Hippel  
 Annemarie Weber  
 Gregorio Weber



**Term Ending 1974**

Gary K. Ackers  
 William A. Brodsky  
 Norman Davidson  
 George Eisenman  
 Robert Langridge  
 Aser Rothstein  
 Andrew G. Szent-Gyorgyi  
 Replaced by Josef Eisinger

**Term Ending 1975**

Bernard C. Abbott  
 Alice Jean Burton  
 J. Woodland Hastings  
 Lester Packer  
 Clifford S. Patlak  
 Thomas E. Thompson  
 H. Ti Tien

**Term Ending 1976**

David R. Davies  
 Helen Eberle  
 Rita Guttman  
 William F. Harrington  
 Jane K. Setlow  
 Alfred Strickholm  
 Gordon F. Whitmore

**Term Ending 1977**

Ludwig Brand  
 Warren L. Butler  
 Marie M. Cassidy  
 Gerald D. Fasman  
 Daphne Hare  
 V. Adrian Parsegian  
 Howard Pattee, Jr.

**Term Ending 1978**

Lawrence B. Cohen  
 Isidore S. Edelman  
 John Gergely  
 William A. Hagins  
 Sonja Krause  
 Paul O. P. Ts'o  
 David A. Yphantis

**Term Ending 1979**

Charles P. Bean  
 Roderick K. Clayton  
 Audrey E. V. Haschemeyer  
 Berton C. Pressman  
 Benno Schoenborn  
 Serge N. Timasheff  
 Kensal E. Van Holde

**Term Ending 1980**

Carolyn Cohen  
 David Eisenberg  
 Bertil Hille  
 John W. Moore  
 Lee D. Peachey  
 Thomas D. Pollard  
 Robley C. Williams, Jr.

**Term Ending 1981**

Robert L. Baldwin  
 Charles R. Cantor  
 Sidney Fleischer  
 Barbara A. Hamkalo  
 Ian C.P. Smith  
 Brian K. Sykes  
 Richard W. Tsien

**Term Ending 1982**

Paula T. Beall  
 Victor A. Bloomfield  
 Donald M. Crothers  
 Daniel A. Goodenough  
 John J. Hopfield  
 Susan Lowey  
 John B. Wolff

**Term Ending 1983**

Gary K. Ackers  
 Rhoda Blostein  
 Donald L. D. Caspar  
 Sally J. Krasne  
 Lester Packer  
 Richard J. Podolsky  
 Antonio Scarpa

**Term Ending 1984**

Robert S. Adelstein  
 Frank R. N. Gurd  
 Cecilia Hidalgo  
 Joseph F. Hoffman  
 Stuart G. McLaughlin  
 Jacqueline A. Reynolds  
 Stephen H. White

**Term Ending 1985**

Barbara Brodsky  
 Donald M. Engelman  
 George Sachs  
 Alan N. Schechter  
 Charles F. Stevens  
 Jane M. Vanderkooi  
 Annemarie Weber

**Term Ending 1986**

Francisco J. Bezanilla  
 Robert S. Eisenberg  
 Ann Ginsburg  
 Elizabeth Stephenson  
 Bonnie Ann Wallace  
 Watt W. Webb  
 J. Walter Woodbury

**Term Ending 1987**

Rodney L. Biltonen  
 Sue K. Donaldson  
 Nancy W. Downer  
 Elizabeth L. Gross  
 Bruce S. Hudson  
 Avril V. Somlyo  
 Dan W. Urry

**Term Ending 1988**

Diana S. Beattie  
 Sidney Fleischer  
 Barry Honig  
 Martin J. Kushmerick  
 Robert A. Mendelson  
 Jane S. Richardson  
 Barbara D. Wells

**Term Ending 1989**

Wayne L. Hubbell  
 Guiseppa Inesi  
 Christopher Miller  
 Peter L. Pedersen  
 Adil E. Shamoo  
 Thomas G. Spiro  
 Robert M. Stroud

**Term Ending 1990**

Wayne A. Hendrickson  
 H. Ronald Kaback  
 Susan Lowey  
 Thomas D. Pollard  
 Brian M. Salzberg  
 Martha M. Teeter  
 Ralph G. Yount

**Term Ending 1991**

Clara Franzini-Armstrong  
 Kevin P. Campbell  
 Maria Correa-Freire  
 Jane F. Koretz  
 Lee Makowski  
 Antonio Scarpa  
 Cynthia V. Stauffacher

**Term Ending 1992**

Norma M. Allewell  
 Judith Herzfeld  
 Peter Hess  
 Sarah E. Hitchcock-DeGregori  
 Neville Kallenbach  
 Franklyn G. Prendergast  
 Brian D. Sykes

**Term Ending 1993**

Yale E. Goldman  
 Rachel E. Klevit  
 Barbara A. Lewis  
 Nicholas Sperelakis  
 D. Lansing Taylor  
 David D. Thomas  
 Clare K. Woodward

**Term Ending 1994**

Kurt B. Beam  
 Helen M. Berman  
 Arthur M. Brown  
 Jack H. Kaplan  
 Rhea J. C. Levine  
 Gabor Szabo  
 Bonnie Anne Wallace

**Term Ending 1995**

Mary D. Barkley  
 Ken A. Dill  
 Gerald Ehrenstein  
 Elaine K. Gallin  
 Jonathan A. King  
 James A. McCammon  
 David R. Trentham

**Term Ending 1996**

Richard W. Aldrich  
 Sue K. Donaldson  
 Judith A. Heiny  
 Henry A. Lester  
 Wilma K. Olson  
 Jill Trewhella  
 David M. Warshaw

**Term Ending 1997**

Robert M. Glaeser  
 Heidi E. Hamm  
 Chien Ho  
 W. Jonathan Lederer  
 Mary F. Roberts  
 Antonio Scarpa  
 John L. Spudich

**Term Ending 1998**

Steven M. Block  
 Barbara E. Ehrlich  
 Peter S. Kim  
 Laura Lerner  
 Frederick Sachs  
 Madeline A. Shea  
 David R. Shortle

**Term Ending 1999**

Ronald F. Abercrombie  
 William A. Eaton  
 Kristine E. Kamm  
 Richard L. Moss  
 Barbara A. Seaton  
 Kathleen M. Trybus  
 Philip L. Yeagle

**Term Ending 2000**

Donald M. Bers  
 William A. Cramer  
 Louis J. DeFelice  
 Bertil Hille  
 Evangelia Kranias  
 Ann E. McDermott  
 Frederick J. Sigworth

**Term Ending 2001**

Meredith Bond  
 Carlos Bustamante  
 David P. Corey  
 Joseph J. Falke  
 Joyce E. Jentoft  
 Brian M. Salzberg  
 Anita L. Zimmerman

**Term Ending 2002**

L. Mario Amzel  
 David J. DeRosier  
 Stephen C. Harvey  
 Eve E. Marder  
 Mark T. Nelson  
 Steven A. Siegelbaum  
 Harel Weinstein

**Term Ending 2003**

Dorothy Beckett  
 Diana J. Bigelow  
 Franco B. Conti  
 Timothy A. Cross  
 Cristobal G. dos Remedios  
 Edward H. Egelman  
 Jeff Gelles

**Term Ending 2004**

Mordecai P. Blaustein  
 Susan L. Hamilton  
 James M. Hogle  
 James C. Lee  
 David H. MacLennan  
 Carol B. Post  
 Ligia G. Toro de Stefani

**Term Ending 2005**

Robert M. Clegg  
 Julio M. Fernandez  
 Linda J. Kenney  
 Barry R. Lentz  
 Justin Molloy  
 Eva Nogales  
 Lukas K. Tamm

### ***Term Ending 2006***

Stephen M. Baylor  
Christopher L. Berger  
Clara F. Franzini-Armstrong  
Sharon E. Gordon  
Elizabeth A. Komives  
Eduardo Rios  
Frederick Sachs

### ***Term Ending 2007***

Richard G. Brennan  
Eric Jakobsson  
Stephen L. Mayo  
Tobias Meyer  
Diane M. Papazian  
Paul R. Selvin  
Lynmarie K. Thompson

### ***Term Ending 2008***

Paul Axelsen  
Kathleen Hall  
Ben de Kruijff  
Nils O. Petersen  
Ruth Nussinov  
Suzanne F. Scarlata  
R. John Solaro

### ***Term Ending 2009***

Ana Maria Gomez  
Steven Gross  
Dorothee Kern  
David W. Piston  
Rajini Rao  
Lynne Regan  
Gregory D. Reinhart

### ***Term Ending 2010***

Valerie Daggett  
David Dawson  
Nynke H. Dekker  
Sharyn A. Endow  
Enrico Gratton  
Frances Separovic  
Toshio Yanagida

### ***Term Ending 2011***

Olaf Andersen  
Michael Cahalan  
Laura Finzi  
Susan Gilbert  
Donald Hilgemann  
Steven Rosenfeld  
Catherine A. Royer

### ***Term Ending 2012***

Ivet Bahar  
Patricia Clark  
Marco Colombini  
Enrique De La Cruz  
Vasanthi Jayaraman  
David Millar  
Petra Schwille

### ***Term Ending 2013***

Nancy Allbritton  
Angel Garcia  
Angela Gronenborn  
Antoinette Killian  
Tanja Kortemme  
Peter So  
Michael Wiener

### ***Term Ending 2014***

Karen Fleming  
Amy Harkins

Peter Hinterdorfer  
Marjorie Longo  
Gail Robertson  
Claudia Veigel

### ***Term Ending 2015***

Taekjip Ha  
Samatha Harris  
Marcia Levitus  
Merritt Maduke  
Daniel Minor  
Jeanne Nerbonne  
David Yue

### ***Term Ending 2016***

Juliette Lecomte  
Amy Lee  
Antoine van Oijen  
Bonnie Wallace

### ***Term Ending 2017***

Olga Boudker  
Kalina Hristova  
Joseph Puglisi  
Michael Pusch

---

## ***Past Biophysical Journal Editors & Editorial Board Members***

### **Editors-in-Chief**

1960-1963 Frank Brink, Jr.  
1964-1966 J. Lawrence Oncley  
1967-1969 Fred M. Snell  
1969-1973 Max A. Lauffer  
1973-1977 Frederick A. Dodge  
1977-1980 V. Adrian Parsegian  
1980-1983 John Gergely  
1984-1987 Eugene Ackerman  
1988-1992 Thomas E. Thompson  
1993-1997 Victor A. Bloomfield  
1997-2002 Peter B. Moore  
2002-2007 Robert Callender  
2007-2012 Edward H. Egelman  
2012-2017 Les Loew

### **Associate Editors**

The list of past Associate Editors has been reconstructed from various Society documents. Early records are incomplete, so listings may not be accurate in all instances.

#### **1971-1974**

Irwin Bendet

#### **1975-1976**

Charles B. Bean  
Antonio Scarpa

#### **1978**

Arthur S. Brill  
Antonio Scarpa

#### **1978-1981**

Arthur S. Brill  
James W. Longworth

#### **1981-1983**

James W. Longworth  
Robert M. Pearlstein

#### **1984**

Robert M. Pearlstein

#### **1984-1985**

Robert S. Knox

#### **1986-1988**

Robert S. Knox  
David Levitt  
David D. Thomas

#### **1988-1989**

Ching-hsien Huang  
Robert S. Knox  
Howard Kutchai

#### **1989-1990**

Elias Greenbaum  
Ching-hsien Huang  
Howard Kutchai

#### **1990-1991**

Rodney L. Biltonen  
Elias Greenbaum  
Ching-hsien Huang  
Howard Kutchai

#### **1991-1992**

Rodney L. Biltonen  
Elias Greenbaum  
Howard Kutchai

#### **1992-1993**

Elias Greenbaum  
David Levitt  
David D. Thomas  
Tian Y. Tsong  
Norma M. Allewell

#### **1993-1994**

Louis J. DeFelice  
Elias Greenbaum  
David D. Thomas  
Norma M. Allewell

#### **1994-1998**

Louis J. DeFelice  
Thomas M. Nordlund  
David D. Thomas  
Norma M. Allewell

#### **1998-1999**

Louis J. DeFelice  
Thomas M. Nordlund  
Martin Caffrey

#### **1999-2000**

Louis J. DeFelice  
Thomas M. Nordlund  
Martin Caffrey

#### **2000-2001**

Martin Caffrey  
Robert Callender  
Meyer B. Jackson

#### **2001-2002**

Martin Caffrey  
Robert Callender  
Meyer B. Jackson

#### **2002-2003**

Meyer B. Jackson  
Barry R. Lentz  
Dagmar Ringe  
Anthony Watts

#### **2003-2004**

Meyer B. Jackson  
Barry R. Lentz  
Dagmar Ringe  
Anthony Watts

#### **2004-2005**

Meyer B. Jackson  
Barry Lentz  
Herbert Levine  
Dagmar Ringe  
Anthony Watts

#### **2005-2006**

Barry R. Lentz  
Herbert Levine  
Dagmar Ringe  
Anthony Watts

#### **2006-2007**

Michael Edidin  
Herbert Levine  
Eduardo Perozo  
Dagmar Ringe  
Anthony Watts

#### **2007-2008**

Michael Edidin  
Yale Goldman  
Kathleen Hall  
Herbert Levine  
Eduardo Perozo  
Anthony Watts

#### **2008-2009**

Michael Edidin  
Yale Goldman  
Kathleen Hall  
Herbert Levine  
Eduardo Perozo  
Lukas Tamm

#### **2009-2010**

Michael Edidin  
Yale Goldman  
Kathleen Hall  
Herbert Levine  
Eduardo Perozo  
Lukas Tamm

#### **2010-2011**

Michael Edidin  
Yale E. Goldman  
Kathleen Hall  
Les Loew  
Eduardo Perozo  
Lukas Tamm

#### **2011-2012**

Michael Edidin  
Yale E. Goldman  
Kathleen Hall  
Peter Hunter  
Les Loew  
Lukas Tamm

#### **2012-2013**

Michael Edidin  
Yale E. Goldman  
Kathleen Hall  
Peter Hunter  
Les Loew  
Lukas Tamm

#### **2013-2014**

Kathleen Hall  
Peter Hunter  
E. Michael Ostap  
David Piston  
Michael Pusch  
Brian Salzberg  
Lukas Tamm

#### **2014-2015**

Nathan Baker

E. Michael Ostap  
David Piston  
Micahel Pusch  
Brian Salzberg  
Stanislav Shvartsman  
Claudia Steinem

**2015-2016**

Nathan Baker  
E. Michael Ostap  
David Piston  
Micahel Pusch  
Brian Salzberg  
Tamar Schlick  
Stanislav Shvartsman  
Claudia Steinem

**2017**

E. Michael Ostap  
David Piston  
Micahel Pusch  
Elizabeth Rhoades  
Brian Salzberg  
Tamar Schlick  
Stanislav Shvartsman  
Claudia Steinem

**Editorial Board Members**

*Term Ending 1960-1961*

Thomas F. Anderson  
Kenneth S. Cole  
Arne Engstrom  
James D. Hard  
John C. Kendrew  
Max A. Lauffer  
J. Lawrence Oncley  
Henry Quastler  
Eugene I. Rabinowitch  
Alexander Rich  
Richard Roberts  
Walter A. Rosenblith  
Cornelius A. Tobias  
Robley C. Williams  
Raymond E. Zirkle

*Term Ending 1962*

Thomas F. Anderson  
Melvin Calvin  
Howard J. Curtis  
Arne Engstrom  
Ephraim Katchalski  
Max A. Lauffer  
Max F. Perutz  
Henry Quastler  
Eugene I. Rabinowitch  
Alexander Rich  
Richard Roberts  
Walter A. Rosenblith  
Robley C. Williams  
David A. Yphantis  
Raymond E. Zirkle

*Term Ending 1963*

Thomas F. Anderson  
Henry Quastler  
Alexander Rich  
Richard Roberts  
Robley C. Williams

*Term Ending 1964*

Arne Engstrom  
Max A. Lauffer  
Eugene I. Rabinowitch  
Walter A. Rosenblith  
Raymond E. Zirkle

*Term Ending 1965*

Melvin Calvin  
Howard J. Curtis  
Ephraim Katchalski  
Max F. Perutz  
David A. Yphantis

*Term Ending 1966*

Thomas F. Anderson  
Richard FitzHugh  
James D. Hardy  
Richard Roberts  
Samuel A. Talbot

*Term Ending 1967*

Irwin Bendet  
Alan C. Burton  
C. S. French  
David E. Goldman  
Charles A. Thomas

*Term Ending 1968*

Francis D. Carlson  
Howard J. Curtis  
David Davies  
Cornelius A. Tobias  
David A. Yphantis

*Term Ending 1969*

Richard FitzHugh  
E. Peter Geiduschek  
Joseph F. Hoffman  
Josiah Macy, Jr.  
Richard B. Setlow

*Term Ending 1970*

Hans Bremermann  
Peter F. Curran  
George Eisenman  
David B. Geselowitz  
J. Lawrence Oncley

*Term Ending 1971*

Bernard Abbott  
Irving Klotz  
John W. Moore  
Thomas E. Thompson

*Term Ending 1972*

Robert Langridge  
Josiah Macy, Jr.  
Richard J. Podolsky  
Richard B. Setlow  
Paul O. P. Ts'o

*Term Ending 1973*

Hans Bremermann  
George Eisenman  
David B. Geselowitz  
J. Lawrence Oncley  
Reginald A. Deering

*Term Ending 1974*

John Dowling  
Irving M. Klotz  
John W. Moore  
Raymond A. Sjodin  
Leonard J. Tolmach

*Term Ending 1975*

Michael Beer  
Tomuo Hoshiko  
Martha L. Ludwig  
R. P. Rand  
Harold A. Scheraga  
Richard B. Setlow

*Term Ending 1976*

George Eisenman  
John S. Leigh, Jr.  
Channing Robertson  
Sol I. Rubinow  
Annemarie Weber

*Term Ending 1977*

George Benedek  
Evan Eisenberg  
George Feher  
Albert S. Mildvan  
Charles F. Stevens

*Term Ending 1978-79*

J. Kent Blasie  
Floyd J. Brinley, Jr.  
James E. Cleaver  
Gerald D. Fasman  
Mack J. Fulwyler  
Ian R. Gibbons  
O. Hayes Griffith  
Geoffrey Hind  
Maurice Montal  
Evangelos Moudrianakis  
William Parsons  
Peter M. Rentzepis  
Jane K. Setlow  
Richard W. Tsien  
Elmar Zeitler

*Term Ending 1980*

Hans Frauenfelder  
David Mauzerall  
Ralph J. Nossal  
Benno P. Schoenborn  
Edwin W. Taylor

*Term Ending 1981*

Charles P. Bean  
Howard C. Berg  
Victor A. Bloomfield  
John Haselgrove  
Seymour H. Koenig  
Harold Lecar  
Charles F. Stevens  
Robley C. Williams, Jr.

*Term Ending 1982*

Olaf Andersen  
Francisco Benzanilla  
Floyd J. Brinley  
Charles Brokaw  
Sandy Helman  
Patricia Jost  
Stuart G. McLaughlin  
William Parson  
Antonio Scarpa  
Jane K. Setlow  
Richard W. Tsien

*Term Ending 1983*

James Bassingthwaight  
Floyd J. Brinley  
Gerald M. Ehrenstein  
Robert Hochmuth  
Mark Schoenberg

*Term Ending 1984*

Barry Bunow  
David Eisenberg  
Fredric Fay  
Ramon Latorre  
Robert Macnab  
Alexander Mauro

*Term Ending 1985*

Jay Doniger  
Laura Eisenstein  
Betty J. Gaffney  
Barry Honig  
David Levitt  
James W. Longworth  
Stuart G. McLaughlin  
George J. Thomas, Jr.

*Term Ending 1986*

Karl Magleby  
Christopher Miller  
Frederick Sachs  
David D. Thomas  
Richard Waugh

*Term Ending 1987*

Ted Begebenich  
James A. Ferretti  
Jenny P. Glusker  
Richard Horn  
Martin J. Kushmerick  
Clare K. Woodward

*Term Ending 1988*

Robert Callender  
Betty J. Gaffney  
Sally Krasne  
Richard L. Moss  
John C. Owicki  
J. Michael Schurr  
George J. Thomas, Jr.

*Term Ending 1989*

John Gergely  
Meyer B. Jackson  
Dennis E. Koppel  
Frederick Sachs  
Charles E. Swenberg  
Leepo C. Yu  
George I. Zahalak

*Term Ending 1990*

Illani Atwater  
Robert G. Bryant  
Richard Horn  
Lee Makowski  
Eduardo Rojas  
Clare K. Woodward

*Term Ending 1991*

Robert Callender  
Ira Levin  
John C. Owicki  
David D. Thomas  
Samuel J. Williamson

*Term Ending 1992*

Leonard J. Banaszak  
Donald M. Crothers  
Louis J. DeFelice  
John Gergely  
Meyer B. Jackson  
Kenneth A. Jacobson  
C. Robert Matthews  
Richard L. Moss  
Linda S. Powers  
Charles E. Swenberg  
George I. Zahalak

*Term Ending 1993*

Victor A. Bloomfield  
Robert G. Bryant  
Donald Faber  
Lee Makowski  
Gabor Szabo

*Term Ending 1994*

Louis J. DeFelice  
Ken A. Dill  
Thomas G. Ebrey  
Ira W. Levin  
John L. Markley  
David Needham  
David D. Thomas



**Term Ending 1995**

Richard W. Aldrich  
 Leonard J. Banaszak  
 David L. Beveridge  
 Rodney L. Biltonen  
 Barbara Brodsky  
 Donald M. Crothers  
 Sidney Fleischer  
 Yale E. Goldman  
 David G. Gorenstein  
 Wayne L. Hubbell  
 Sek Wen Hui

**Term Ending 1996**

Joseph M. Beechem  
 Edward H. Egelman  
 Donald S. Faber  
 Douglas Lauffenburger  
 David G. Levitt  
 Derek Marsh  
 Gabor Szabo  
 David R. Trentham  
 Tian Y. Tsong  
 Toshio Yanagida

**Term Ending 1997**

Steven G. Boxer  
 Ken A. Dill  
 Thomas G. Ebrey  
 Frederic S. Fay  
 Hazel Holden  
 Douglas Lauffenburger  
 John L. Markley  
 Toshio Yanagida

**Term Ending 1998**

Richard W. Aldrich  
 Bridgette Barry  
 Kurt G. Beam  
 Steven M. Block  
 D. Wayne Bolen  
 Barbara Brodsky  
 Martin Caffrey  
 Joel E. Friedman  
 Yale E. Goldman  
 David G. Gorenstein  
 Wayne L. Hubbell  
 Sek Wen Hui  
 John E. Johnson  
 Howard Kutchai  
 Kathryn F. LaNoue  
 Timothy M. Lohman  
 J. Andrew McCammon  
 Ronald N. McElhaney  
 Wilma K. Olson  
 M. Thomas Record, Jr.  
 Benoit Roux  
 Nancy Thompson  
 Gary Yellen

**Term Ending 1999**

Kurt G. Beam  
 Joseph M. Beechem  
 Steven M. Block  
 Michael D. Cahalan  
 Edward H. Egelman  
 Aaron Fox  
 Yale E. Goldman  
 Jack H. Kaplan  
 David G. Levitt  
 Derek Marsh  
 Tian Yow Tsong

**Term Ending 2000**

Bridgette Barry  
 Steven M. Block  
 Steven J. Boxer  
 Louis J. DeFelice

Thomas G. Ebrey  
 Stephen Fesik  
 Joel M. Friedman  
 Howard Kutchai  
 Timothy M. Lohman  
 Ronald N. McElhaney  
 David D. Thomas

**Term Ending 2001**

Bruce B. Bean  
 David S. Cafiso  
 Robert Callender  
 Franco B. Conti  
 Timothy A. Cross  
 Winfried Denk  
 Klaus Gawrisch  
 Paul J. Hagerman  
 Stephen C. Harvey  
 Jan H. Hoh  
 Meyer B. Jackson  
 Barry R. Lentz  
 Stuart G. McLaughlin  
 Edward G. Moczydlowski  
 Richard L. Moss  
 Colin G. Nichols  
 Thomas M. Nordlund  
 Peter L. Privalov  
 Lynne J. Regan  
 Dagmar Ringe  
 John R. Silvius  
 William N. Zagotta

**Term Ending 2002**

Howard L. Brockman  
 Martin D. Caffrey  
 Michael D. Cahalan  
 William A. Cramer  
 Micah Dembo  
 David J. DeRosier  
 Robert M. Hochmuth  
 Jack H. Kaplan  
 M. Thomas Record, Jr.  
 Benoit Roux

**Term Ending 2003**

Diana J. Bigelow  
 Robert E. Blankenship  
 John Connor  
 Roger Cooke  
 Jane Dyson  
 Robert O. Fox  
 Gary Gilliland  
 Judith Herzfeld  
 Sarah E. Hitchcock-DeGregori  
 Leslie M. Loew  
 Gary G. Matthews  
 Emil Reisler  
 Jeffrey Skolnick  
 John L. Spudich  
 Marion C. Thurnauer  
 Douglas H. Turner

**Term Ending 2004**

David S. Cafiso  
 Timothy A. Cross  
 Klaus Gawrisch  
 Stephen C. Harvey  
 Jan H. Hoh  
 Ken Jacobson  
 Edward G. Moczydlowski  
 Colin G. Nichols  
 Martha C. Nowycky  
 Michael P. Sheetz  
 John R. Silvius  
 David M. Warshaw  
 William N. Zagotta

**Term Ending 2005**

Howard Brockman  
 Bill Cramer  
 Micah Dembo  
 Richard Horn  
 Monty Pettitt  
 Michael Sanguinetti  
 Chris Stubbs  
 Jill Trehwella

**Term Ending 2006**

Paul H. Axelsen  
 Diana Bigelow  
 Brad Chaires  
 Roger Cooke  
 H. Brian Dyer  
 David A. Eisner  
 Angel Garcia  
 Mark E. Girvin  
 Enrico Gratton  
 Marilyn Gunner  
 Sarah E. Hitchcock-DeGregori  
 J. Antoinette Killian  
 Janos Lanyi  
 Jennifer Linderman  
 Gary G. Matthews  
 Marcia Newcomer  
 Ruth Nussinov  
 John Straub  
 Thomas MacIntosh  
 Lukas Tamm  
 Peter D. Tieleman  
 Anne Ulrich  
 Gregory Voth  
 David M. Warshaw  
 Richard Waugh

**Term Ending 2007**

Richard Aldrich  
 Paul Axelsen  
 Ivet Bahar  
 Francisco Bezanilla  
 Kevin Costa  
 Alberto Diaspro  
 Marileen Dogterom  
 Nark Girvin  
 Dorothy Hanck  
 Toshinori Hoshi  
 Shin'ichi Ishiwata  
 Meyer Jackson  
 Peter Jordan  
 Antoinette J. Killian  
 Alex Mogilner  
 Michael P. Sheetz  
 Tamar Schlick  
 Arthur Sherman  
 Anne S. Ulrich  
 Alexander van Oudenaarden  
 David M. Warshaw  
 Leepo Yu

**Term Ending 2008**

Gaudenz Danuser  
 Brian Dyer  
 David Eisner  
 Ron Elber  
 Elliot Elson  
 Helmut Grubmueller  
 Akihiro Kusumi  
 Stuart Lindsay  
 Costa Maranas  
 Thomas McIntosh  
 Jose Onuchic  
 Art Palmer  
 Dave Piston  
 Tom Schmidt

Klaus Schulten  
 Dave Thomas  
 Dirk Tieleman  
 Greg Voth  
 David Weiss

**Term Ending 2009**

Robert H. Chow  
 Cristobal G. dos Remedios  
 Feng Gai  
 Peter Hinterdorfer  
 Tzyh-Chang Hwang  
 Shin'ichi Ishiwata  
 Angel Garcia  
 Enrico Gratton  
 Marilyn Gunner  
 Janos Lanyi  
 Jennifer Linderman  
 Gerhard Marriott  
 David P. Millar  
 Marcia Newcomer  
 Ian Parker  
 Heinrich Roder  
 Steven D. Schwartz  
 Petra Schwillie  
 Eugene Shakhnovich  
 Richard Waugh  
 Leepo Yu

**Term Ending 2010**

R. Dean Astumian  
 Richard Aldrich  
 Paul Axelsen  
 George Barisas  
 Doug Barrick  
 Christopher Berger  
 Francisco Bezanilla  
 Sam Butcher  
 Arup Chakraborty  
 Jane Clarke  
 Elena Conti  
 Alberto Diaspro  
 Marileen Dogterom  
 Betty Gaffney  
 Bertrand Garcia-Moreno  
 Susan Gilbert  
 Mark Girvin  
 Taekjip Ha  
 David Hackney  
 Dorothy Hanck  
 Jason Haugh  
 Hideo Higuch  
 Toshinori Hoshi  
 Malcolm Irving  
 Peter Jordan  
 Leemor Joshua-Tor  
 Alex Mogilner  
 E. Michael Ostap  
 Kuda Ranatunga  
 Arthur Sherman  
 Michael Stern  
 Kenton Swartz  
 Dirk Tieleman  
 Claudia Veigel  
 Denis Wirtz  
 Jian Yang  
 Josh Zimmerberg

**Term Ending 2011**

Nathan Baker  
 Marc Baldus  
 Martin Blackledge  
 Alexandre M.J.J. Bonvin  
 Roberto Dominguez  
 David Eisner  
 Laura Finzi  
 Michael Fisher  
 Levi Gheber

Anne Houdusse  
Huey Huang  
Gerhard Hummer  
Antoinette Killian  
Reinhard Lipowsky  
Patrick J. Loria  
Costas Maranas  
Thomas McIntosh  
Robert Nakamoto  
Ruth Nussinov  
Michael Pusch  
Lewis Romer  
Benoit Roux  
Dave Thomas  
Gregory Voth  
Josh Wand  
David Weiss  
William Wimley

***Term Ending 2012***

Hagan Bayley  
Leonid Brown  
Axel Brunger  
Amit Chattopadhyay  
Patricia Clark  
Feng Gai  
Peter Hinterdorfer  
Tzyh-Chang Hwang  
Shin'ichi Ishiwata  
Andre Levchenko  
Hassane Mchaourab  
David Millar  
Ian Parker  
Indira Raman  
Randall Rasmussen  
Douglas Robinson  
Heinrich Roder  
Catherine A. Royer  
Petra Schwille  
Xiaowei Zhuang

***Term Ending 2013***

George Barisas  
Doug Barrick  
Christopher Berger  
Sam Butcher  
Betty Gaffney  
Bertrand Garcia-Moreno  
Susan Gilbert  
Taekjip Ha  
David Hackney  
Jason Haugh  
Hideo Higuchi  
Malcolm Irving  
Kuda Ranatunga  
Michael Stern  
Claudia Veigel  
Denis Wirtz

***Term Ending 2014***

R. Dean Astumian  
Martin Blackledge  
Alexandre Bonvin  
Roberto Dominguez  
Laura Finzi  
Levi Gheber  
Kathleen Hall  
Anne Houdusse  
Huey Huang  
Gerhard Hummer  
Peter Hunter  
Reinhard Lipowsky  
Patrick Loria  
Robert Nakamoto  
Lew Romer  
Lukas Tamm  
Josh Wand  
William Wimley

***Term Ending 2015***

Fazly Ataullakhanov\*  
Hagan Bayley  
Dennis Bray\*  
Leonid Brown  
Axel Brunger  
Mark Cannell\*  
Amit Chattopadhyay  
Patricia Clark  
Enrique De La Cruz\*  
Ashok Deniz\*  
Andreas Engel\*  
Ian Forster\*  
Jeff Fredberg\*  
Alan Rick Horowitz\*  
William Kobertz\*  
Rong Li\*  
Hassane Mchaourab  
Joseph Mindell\*  
Michael Pusch  
Randall Rasmussen  
Mathais Rief\*  
Doug Robinson  
Cathy Royer  
David Rueda\*  
Brian Salzberg\*  
Simon Scheuring\*  
James Sneyd\*  
Sean Sun\*  
Ernest Wright\*

***Term Ending 2016***

Paulo Almeida  
Ruth Baker\*  
Tobias Baumgart\*  
Richard Bertram  
Laurent Blanchoin\*  
Bernhard Brenner  
James Cole\*  
Cynthia Czajkowski  
Stefan Diez\*  
Ram Dixit\*  
Carmen Domene  
Leah Edelstein-Keshet  
David Eliezer\*  
Scott Feller  
Margaret Gardel\*  
Katharina Gaus\*  
Klaus Gawrisch  
Arne Gericke\*  
Miriam Goodman\*  
Alan Grodzinsky\*  
Jochen Guck\*  
Klaus Hahn\*  
Heiko Heerklotz  
Jason Kahn  
James Keener\*  
Anne Kenworthy  
Gijsje Koenderink  
Ka-Yee Lee  
Andrew McCulloch  
Daniel Mueller  
Hiroyuki Noji\*  
Kazuhiro Oiwa\*  
E. Michael Ostap\*  
Ewa Paluch\*  
Susan Pierce  
David Piston\*  
Lois Pollack  
Dan Raleigh\*  
James Sellers  
David Sept\*  
Matthew Tyska\*  
Antoine van Oijen\*  
David Warshaw\*  
Paul Wiseman  
David Wolf  
Charles Wolgemuth  
David Yue, deceased  
\*=First Term

## Past Annual Meetings

Year	Location	Program Committee Chair	Local Arrangements Committee Chair
1957	Columbus, Ohio	Samuel A. Talbot	Kenneth S. Cole, Otto H. Schmitt, Ralph W. Stacy, Herman P. Schwan, Ernest C. Pollard
1958	Cambridge, Massachusetts	Cyrus Levinthal	Arthur K. Solomon
1959	Pittsburgh, Pennsylvania	H. Burr Steinbach, Raymond E. Zirkle	Martin Hanig
1960	Philadelphia, Pennsylvania	Otto H. Schmitt	Herman P. Schwan
1961	St. Louis, Missouri	J. Lawrence Oncley	William Sleator
1962	Washington, DC	Robert L. Sinsheimer	Dean Cowie
1963	New York, New York	Fred M. Snell	Alexander Mauro
1964	Chicago, Illinois	Raymond E. Zirkle	Robert B. Uretz
1965	San Francisco, California	Richard B. Setlow	Howard Mel
1966	Boston, Massachusetts	Francis D. Carlson	Jordan Baruch
1967	Houston, Texas	David E. Goldman	Arthur Cole
1968	Pittsburgh, Pennsylvania	Howard Mel	Irwin Bendet
1969	Los Angeles, California	Richard J. Podolsky	Verne N. Schumaker
1970	Baltimore, Maryland	Harold A. Scheraga	Raymond A. Sjodin
1971	New Orleans, Louisiana	Philip C. Hanawalt	Edward S. Hyman
1972	Toronto, Canada	Michael Beer	Gordon Whitmore
1973	Columbus, Ohio	Gary Felsenfeld	Leo Lipetz
1974	Minneapolis, Minnesota		(Joint Meeting with ASCB)
1975	Philadelphia, Pennsylvania	J. Woodland Hastings	Joseph M. Higgins
1976	Seattle, Washington	Lee D. Peachey	Albert M. Gordon
1977	New Orleans, Louisiana	George Eisenman	Edward S. Hyman
1978	Washington, DC	James W. Longworth	William A. Hagins
1979	Atlanta, Georgia	Donald L.D. Caspar	Robert L. DeHaan
1980	New Orleans, Louisiana	Rhoda Blostein	Edward S. Hyman
1981	Denver, Colorado	V. Adrian Parsegian	David E. Pettijohn
1982	Boston, Massachusetts	Gary K. Ackers	Ramon Latorre
1983	San Diego, California	Donald M. Engelman	Mauricio Montal
1984	San Antonio, Texas	Ralph Nossal	Robert Renthal
1985	Baltimore, Maryland	Stephen H. White	Eaton E. Lattman
1986	San Francisco, California	Neville R. Kallenbach	Alan Bearden
1987	New Orleans, Louisiana	Barry Honig	Edward S. Hyman
1988	Phoenix, Arizona	Bennie R. Ware	Robert E. Blankenship
1989	Cincinnati, Ohio	Roger Cooke	Arnold Schwartz, David P. Siegel
1990	Baltimore, Maryland	Peter L. Pedersen	Maria Correa-Freire, L. Mario Amzel
1991	San Francisco, California	Lila M. Gierasch	Don Eden
1992	Houston, Texas	Lee Makowski	George N. Phillips, Jr.
1993	Washington, DC	Robert S. Adelstein	Robert Horowitz
1994	New Orleans, Louisiana	Judith Herzfeld	Edward S. Hyman
1995	San Francisco, California	Christopher Miller	Roger Cooke
1996	Baltimore, Maryland	William A. Cramer	L. Mario Amzel
1997	New Orleans, Louisiana	Jack H. Kaplan	Samuel J. Landry
1998	Kansas City, Missouri	Mary D. Barkley	Harvey F. Fisher, Elizabeth Rowe
1999	Baltimore, Maryland	Steven M. Block	L. Mario Amzel
2000	New Orleans, Louisiana	Steven A. Siegelbaum	Samuel J. Landry
2001	Boston, Massachusetts	Joseph J. Falke	James Head/Barbara Seaton
2002	San Francisco, California	Meredith Bond	
2003	San Antonio, Texas	Edward H. Egelman	
2004	Baltimore, Maryland	Timothy A. Cross	
2005	Long Beach, California	David P. Millar	
2006	Salt Lake City, Utah	Jeff Gelles	
2007	Baltimore, Maryland	Felix Goñi	
2008	Long Beach, California	Eduardo Perozo, Benoit Roux	(Joint Meeting with IUPAB)
2009	Boston, Massachusetts	David M. Warshaw, Ming-Ming Zhou	
2010	San Francisco, California	Taekjip Ha	
2011	Baltimore, Maryland	Jamie Williamson	
2012	San Diego, California	Sharona Gordon, William Zagotta	
2013	Philadelphia, Pennsylvania	Joseph D. Puglisi	
2014	San Francisco, California	Robert K. Nakamoto	
2015	Baltimore, Maryland	Enrique De La Cruz, Karen Fleming	
2016	Los Angeles, California	Vasanthi Jayaraman, E. Michael Ostap	
2017	New Orleans, Louisiana	David Piston, Catherine A. Royer	

---

## Past National Lecturers

1969

The Study of Macromolecules by Fluorescence Methods  
Gregorio Weber

1970

Phycomyces, Work in Progress  
Max Delbruck

1971

Inhibitory Interaction in the Retina of Limulus  
H. K. Hartline

1972

Mapping Active Sites of Enzymes by Magnetic Resonance Methods  
Mildred Cohn

1973

The Structure and Biosynthesis of Closed Circular DNA  
Jerome Vinograd

1974

Mapping Genetic Sequences by Electron Microscopy  
Norman Davidson

1975

The Molecular Biology of Brain Cell Interactions  
Francis O. Schmitt

1976

Actomyosin ATPase and the Mechanism of Muscle Contraction  
Edwin W. Taylor

1977

Neurogenetics of Behavior in Drosophila  
Seymour Benzer

1978

Astronomy and Biology: Some Connections  
Carl Sagan

1979

The Golden Age of Cell Biology: Its Origins and Its Future  
Keith Porter

1980

Science and the American Future  
Philip Handler

1981

Structure and Motion in Proteins  
Frederic M. Richards

1982

Cell Adhesion Molecules  
Gerald M. Edelman

1983

Bacterial Photosynthesis  
George Feher

1984

Mechanisms of Protein Integration into Membranes  
Günter Blobel

1985

Switching in Protein Assemblies  
Donald L. D. Caspar

1986

Leeuwenhoek, Huygens, and the Future of Biophysics  
Shinya Inoue

1987

Light and Life  
Lubert Stryer

1988

Electrophoresis of DNA  
Bruno Zimm

1989

Exploring How Viruses Initiate Infections and How the Immune System Responds Using Molecular Biophysics  
Don C. Wiley

1990

Molecular Tools to Elucidate Problems in Excitation–Contraction Coupling  
David H. MacLennan

1991

Molecular Dynamics: Its Role in Biophysics  
Martin Karplus

1992

Looking at Proteins  
Jane S. Richardson

1993

Recognition of DNA by Zinc-Finger and Other Proteins Involved in the Regulation of Gene Expression  
Aaron Klug

1994

Flexing and Folding the DNA Double Helix  
Wilma K. Olson

1995

Mechanism of Action of a Molecular Motor  
James A. Spudich

1996

Protein Folding: A Very Simple Perspective  
Ken A. Dill

1997

Diphtheria Toxin and Domain Swapping: A Strange Biophysical Tail  
David Eisenberg

1998

The Structural Basis of Protein Folding and Misfolding  
Christopher M. Dobson

1999

Protein Folding and Human Disease  
Jeffery W. Kelly

2000

Structure and Dynamics of Camp-dependent Protein Kinase  
Susan Taylor

2001

Structure Isn't Everything But it Sure Helps  
Brian W. Matthews

2002

Multiphoton Imaging the Molecular Dynamics of Living  
Watt W. Webb

2003

From Protein Structure to Biological Function and Evolution  
Janet Thornton

2004

Atomic Basis of Ion Channel Function  
Roderick MacKinnon

2005

Cryo-Electron Microscopy of the Ribosome: Glimpses of a Molecular Machine in Motion  
Joachim Frank

2006

Probing Nature's Nanoscale Machines with Microscale Probes  
Kazuhiko Kinoshita, Jr.

2007

Ion Pumping by Ca-ATPase of the Sarcoplasmic Reticulum – A Structural View  
Chikashi Toyoshima

2008

The Molecular Basis of Eukaryotic Transcription  
Roger Kornberg

2009

Proteins in Action: Dynamics during Catalysis and Signaling  
Dorothee Kern

2010

Breeding and Building Molecules to Spy on Cells in Health and Disease  
Roger Tsien

2011

Chaperonin-Mediated Protein Folding  
Arthur L. Horwich

2012

Shedding Light on Single Molecules  
Steven M. Block

2013

The Making and Breaking of Nucleosomes  
Karolin Luger

2014

A Journey Through Cellular Processes: One Molecule at a Time  
Carlos Bustamante

2015

Molecular Movies: Feature-Length Simulations of Protein Dynamics  
Klaus Schulten

2016

Discoveries in Biophysics through the Computational Microscope  
David E. Shaw

2017

Imaging Cellular Structure and Dynamics from Molecules to Organisms  
Eric Betzig

---

## Past Symposia Chairs & Topics

1958

Microsomal Particles and Protein Synthesis  
Richard Roberts

Muscle

Andrew G. Szent-Gyorgyi

Review Papers by T. Puck, G. von Bekesy, and A.L. Hodgkin  
Andrew G. Szent-Gyorgyi

1959

Formulation and Characterization of Antibodies  
Edwin S. Lennox

Sensory Receptor Mechanisms  
Floyd M. Beidler

1960

Biological Codes, Data Processing, and Self Organizing Systems  
Otto H. Schmitt

Emerging Problems in Biophysics  
D. Griffin

Structure of Bacteriophages in Relation to Function

Thomas F. Anderson

1961

Mutagenesis  
H.J. Muller

High Speed Computation

Techniques in Biophysics Research  
Ralph W. Stacy

Antonio Borsellino

Jack Dainty

Membrane Transport

Fred M. Snell

1962

Excited State and Photobiology  
Alexander Hollaender

Biological Replication  
Francis Crick

Statics and Dynamics in Biological Systems

Alan C. Burton

1963

The Structure of Water, Proteins, and Viruses  
George Scatchard

**Non-Muscular Contractions in Biological Systems**

Teru Hayashi

**Control Mechanisms in Biological Systems**

Harry Nyquist

**1964**

**Macromolecular Aspects of Radiation Action on Cells**

Henry S. Kaplan

**Organization and Development of Decision Processes in the Central Nervous System**

John R. Platt

**New Approaches to Electron-Microscopic Resolution at the Atomic Level**

Thomas F. Anderson

**1965**

**Information Transfer in Biological Systems, I**

Max Delbruck

**Information Transfer in Biological Systems, II**

Cornelius A. Tobias

**Evolution and Exobiology**

Harold J. Morowitz

**1966**

**Membrane Structure**

J.F. Danielli

**New Methods and Techniques in Biophysical Research**

Norman Davidson

**Muscular Contraction**

Douglas R. Wilkie

**1967**

**Biophysical Aspects of Marine Biology**

William J. Adelman, Jr.

**Some Mechanical Problems in Biology**

A. Pharo Gagge

**Ion Specificity in Biological Systems**

George Eisenman

**1968**

**Biological Control, I**

James Bonner

**Biological Control, II**

Richard Roberts

**Recent Advances in Optics and Visualization of Biological Structure**

R.F.W. Pease

**1969**

**Biological Assembly and Determination of Form**

Robert Edgar

**Physiological Function at the Molecular Level**

Andrew G. Szent-Gyorgyi

**Information Storage and Retrieval in the Brain**

Leon Harmon

**Nuclear Transplantation and Genetic Manipulation**

John R. Platt

**1970**

**Biological Aspects of Protein and Nucleic Acid Interaction**

M. Nomura

**Ion Transport in Bilayers and Biological Membranes**

Thomas E. Thompson

**Instrumental Advances in Biophysics**

Michael Beer

**1971**

**Molecular Neurobiology**

Gunther Stent

**"Teach-In" General Lectures**

Philip C. Hanawalt

**Biological Control Systems**

John H. Milsom

**1972**

**Current Topics in Neuromuscular Research**

John E. Dowling

**Genetic Approaches to Development**

Michael Beer

**1973**

**Cellular Regulatory Mechanisms**

Max Gottesman

**Recent Developments in Membrane Research**

Warren S. Rehm

**1974**

**Aharon Katchalsky Memorial: Thermodynamics of Living Systems**

Peter F. Curran

**Genome Organization in Higher Organisms**

Donald D. Brown

**Blood Cell Differentiation**

Anthony Cerami

Edward Reich

**Macromolecular Structure**

Michael G. Rossmann

**Membrane Structure and Assembly**

Phillips W. Robbins

**Environmental Chemical Carcinogens**

Bruce N. Ames

**Biological Energy Transductions**

Paul D. Boyer

**Contractile Systems**

Andrew G. Szent-Gyorgyi

**Mechanisms and Control of Gene Expression**

Joan Argetsinger Steitz

**Neurotransmitters**

Bernard W. Agranoff

**Primary Photochemical Processes of Photosynthesis**

Warren L. Butler

**Cascade Processes**

Robert L. Hill

**1975**

**Bioluminescence**

J. Woodland Hastings

**Biological Oscillators**

Arthur Winfree

**A Close Look at Synaptic Events**

Edward A. Kravitz

**1976**

**Probes of Membrane Structures**

Lee D. Peachey

**Biophysics of the Cell Surface**

Frederic M. Richards

**Biological Applications of Raman Spectroscopy**

Aaron Lewis

**1977**

**Intramolecular Motion in Proteins**

Frederic M. Richards

**Molecular Motion in Gene Expression**

Charles R. Cantor

**Ionic Motion and Gating in Biological and Artificial Channels**

George Eisenman

**1978**

**Molecular Structure of Macromolecular Assemblies**

Kensal E. Van Holde

**Biophysics of Bacterial Chemotaxis**

Charles P. Bean

**Primary Reactions in Photosynthesis**

Henri Merkelo

**Cell-Cell Interactions in Higher Nervous Tissue**

Cyrus Levinthal

**Transduction of Ions in Cells and Organelles**

Sunney I. Chan

**Biological Applications of Synchrotron Radiation**

Gilda H. Loew

**Fundamental Interactions of Environmental Intoxicants**

W. E. Blumberg

Josef Eisinger

**Primary Events in Radiation Biology**

W. Schimmerling

**Molecular Movement on Cell Surfaces**

Watt W. Webb

**Magnetic Circular Dichroism: Biophysical Applications**

John C. Sutherland

**Ultra High-Resolution Electron Microscopy**

M. Fotino

**Atoms and Molecules Tunnelling in Biological Systems**

J. J. Hopfield

**1979**

**Cellular Receptors and Perception**

Walther Stoeckenius

**Cellular Communication**

Daniel Goodenough

**Cellular Motility**

Edwin Taylor

**1980**

**Structural and Conformational Transitions in Energy Transducing Membrane Proteins**

Jacqueline A. Reynolds

**Mechanisms of Intracellular Protein Breakdown**

Irwin A. Rose

**Na, K-ATPase Transport Mechanism**

Joseph F. Hoffman

**Neuropeptides-Processing and Neurophysiological Action**

Jeffrey L. Barker

**Voltage-Dependent Channels in Excitable Tissues**

Bertil Hille

**Transduction of Biochemical Signals**

R. Kevin Hunt

**Spatial Control of Differentiation**

R. Kevin Hunt

**Regulation of Phosphorylation**

Ora M. Rosen

**1981**

**Nucleic Acid Sequences: Determination, Description and Expression**

Jane K. Setlow

**The Control of Cell Form**

Lee D. Peachey

**Noise Measurements as a Probe of Ionic Conductance**

Charles F. Stevens

**1982**

**Molecular Structure of the Cytoplasmic Matrix**

Thomas D. Pollard

**Molecular Aspects of the Control of Genome Expression**

Peter H. von Hippel

**Statistical Thermodynamics in Biology**

Rodney L. Biltonen

**Bioenergetics: From Molecules to Mitochondria**

C.P. Lee

**Sources of Cooperative Energy in Human Hemoglobin I**

John T. Edsall

**Sources of Cooperative Energy in Human Hemoglobin II**

Frank R.N. Gurd

**Ion Channels**

Christopher Miller

**Linked Functions in Proteins**

Norma M. Allewell

**Boundary Lipid**

David D. Thomas

**1983**

**Biomedical Applications of Nuclear Magnetic Resonance**

Paula T. Beall

**Biological Membrane Structure**

S. J. Singer



**Excitable Membrane Ionic Channels: Towards the Molecular Mechanisms**  
Toshio Narahashi

**Internal Dynamics of Proteins, Nucleic Acids and Membranes**  
Attila Szabo

**Structural Variability of Nucleic Acids**  
Bruno Zimm

**The Use of Neutrons in Structural Biology**  
B.P. Schoenborn

**Intracellular Hormonal Control of Cell Function**  
Paul A. Liebman

## 1984

**Biophysical Design in Biotechnology**  
Victor A. Bloomfield

**Computer Graphics**  
Robert M. Stroud

**Processing in the Fine Processes of the Nervous System**  
Robert S. Eisenberg  
Brian M. Salzberg

**Systematic Mechanical Activity of Nonmuscle Cells**  
Ralph Nossal  
Watt W. Webb

**Molecular Aspects of Regulation in Photoreceptors**  
Nancy W. Downer

**Optical Studies of Muscle**  
Ronald J. Baskin  
Yin Yeh

**Electrophysiology of Epithelial Transport**  
Ernest M. Wright

## 1985

**Tutorial: Insertion of Proteins into Membranes**  
V. Adrian Parsegian

**Conformation Flexibility in Proteins**  
Barry Honig

**Calcium Signals in Muscle**  
Robert Eisenberg

**Neuronal Integral Membrane Proteins**  
Bertil Hille  
Charles F. Stevens

**Biophysics of Development of Structural Patterns in Organisms**  
Scott Fraser

**Muscle Contraction: Frontiers and Controversies**  
Gerald H. Pollack

**Intracellular Signaling**  
Larry A. Sklar

**Electrophysiological Approaches to Endocrine Function**  
(Sponsored Jointly with the Society of General Physiologists)  
Gerry S. Oxford  
Barbara Brodsky

**Biophysical Basis of Eye Structure and Transparency**  
Nancy Tooney

## 1986

**Solvation Phenomena in Biopolymer Systems**  
David Chandler

**Molecular Biophysics of Sensory Phenomena**  
Lubert Stryer

**New Dimensions in NMR of Macromolecules**  
David E. Wemmer

**Biophysics of Transduction in Taste and Olfaction**  
Sheella Mierson

**Applications of Molecular Biology to Active Transport**  
H. R. Kaback

**Interactions in Supramolecular Assemblages**  
Wayne A. Hendrickson

**Internal Transmitter Mechanisms in Retinal Rods**  
Denis A. Baylor

**Protein Folding**  
Robert L. Baldwin

## 1987

**Structure and Function of Ionic Channels & Pumps I & II**  
Olaf Anderson  
Clay Armstrong

**Forces in Protein Structure and Function**  
David Eisenberg

**Fibrous Protein Interactions**  
Jane Koretz

**Probing DNA Sites and Structures**  
Jacqueline Barton

**Motion and Target Location: From Molecules to Cells**  
Peter H. von Hippel

**Intracellular Signalling**  
Joel Brown

**Mechanism of Cross-Bridge Action in Muscle Contraction**  
Roger Cooke

## 1988

**Rhodopsin and Bacteriorhodopsin**  
Robert R. Birge

**Membrane Receptors and Channels: Biophysical Approaches**  
Bianca Conti-Tronconi

**Chemical Dynamics of Cytoplasm**  
D. Lansing Taylor

**Smooth Muscle Contractility**  
James R. Sellers

**New Directions in DNA Electrophoresis**  
Charles R. Cantor

**NMR Spectroscopy and Imaging: Biophysical Studies of Living Systems**  
(Presented in conjunction with the Division of Biological Physics, APS)  
M. Joan Dawson

**Understanding the Structures of DNA**  
Wilma K. Olson

**Special Symposium: Women in Biophysics, the Dayhoff Awardees**  
Anne Walter

**Specificity of Drug-Nucleic Acid Interactions**  
Jonathan B. Chaires  
James C. Dabrowiak

**Invertebrate Oxygen-Binding Proteins**  
Serge N. Vinogradov

**Photorelease Techniques**  
Jack H. Kaplan

**Phospholipid Flippases**  
David L. Daleke

**Light-Driven Mechanisms of Photosynthesis I**  
Jack Fajer

**Growth Factors and Their Receptors**  
Kevin H. Mayo

**Vibrational Spectroscopy of Biomolecules**  
Timothy J. O'Leary

**Thermodynamics and Control**  
Hans V. Westerhoff

**Stretch-Activated Ion Channels**  
Frederick Sachs

**Light-Driven Mechanisms of Photosynthesis II**  
P. Leslie Dutton  
Jack Fajer  
M. R. Wasielewski

**New Theoretical Approaches to Membrane Excitability**  
H. Richard Leuchtag

**Interdigitated Lipid Phases**  
Elizabeth Rowe

**Fluctuations and Oscillations in Biological Systems**  
R. Dean Astumian

**Imaging and Related Studies by ESR (EPR)**  
Harold M. Swartz

## 1989

**Phototransduction and Electron Transport**  
Steven G. Boxer

**Molecular Interactions in the Immune System**  
Bianca Conti-Tronconi

**Molecular Motors: In vitro Assays and Molecular Genetic Approaches**  
James A. Spudich

**High Resolution Structures of Proteins and Peptides**  
Clare Woodward

**Determination of Solution Structures by Nuclear Magnetic Resonance**  
Peter E. Wright

**Assembly of Proteins and Peptides in Lipid Bilayers**  
Stephen H. White  
Russell E. Jacobs

**Probing Cellular Dynamics with Spectroscopy**  
Yale E. Goldman  
David D. Thomas

**Phototransduction in Retinal Photoreceptors**  
King-Wai Yau

**New Directions in Quantitative Microscopy**  
Wah Chiu

**Emerging Structural and Functional Relationships Among Actin-binding Proteins**  
Thomas D. Pollard

**G Protein Regulation of Ionic Channels**  
Arthur M. Brown

**Water-Protein Interactions**  
Martha M. Teeter

**Reaction Mechanisms of Ion Transport**  
Joseph F. Hoffman  
Joyce E. Jentoft

**Protein-RNA Interactions**  
Dixie J. Goss

## 1990

**Excitation-Contraction Coupling**  
Clara Franzini-Armstrong  
Sidney Fleischer

**Protein Folding**  
Peter S. Kim

**Energy Transducing Membrane Complexes**  
Peter L. Pedersen

**Ion Channels: Structure, Function and Modulation**  
William A. Catterall

**Stimulus-Secretion Coupling and Mechanisms of Hormone Secretion**  
Illani Atwater

**Signal Peptides and Protein Import/Export**  
Lila M. Gierasch

**Protein Structure and Design**  
Wayne A. Hendrickson

**Biophysical Aspects of Cell Signaling**  
Antonio Scarpa

**Advances in Nucleic Acid Structure**  
Victor A. Bloomfield

**Nuclear Cytoplasmic Exchange**  
Reiner Peters

**Organization and Dynamics of Membrane Components**  
Thomas E. Thompson

## 1991

**Calcium-binding Proteins**  
Michael N. G. James

**Advances in Three-Dimensional Imaging**  
Roger M. Burnett

**Supramolecular Assembly: Viruses and Ribosomes**  
Jonathan A. King

**Ion Channels in Intracellular Membranes**  
Louis J. DeFelice  
Carmen A. Mannella

**Sensory Transduction**  
Meredith Applebury

**Surface Techniques in Biophysics**

Nancy L. Thompson  
Aaron Lewis

**Intermediates in Protein Folding**

Anthony L. Fink

**Bridging Molecular Genetics and Biophysics in Cell Motile Systems**

Ian R. Gibbons

**1992****Retinal-containing Proteins**

Kenneth J. Rothschild  
John Spudich

**Forces Involved in the Assembly & Stabilization of Membrane Proteins**

William A. Cramer

**Membrane Active Peptides**

G. Graham Shipley

**Structural Virology**

John E. Johnson

**Biophysics of Lens Crystallins**

Jane Koretz

**Molecular Recognition in Muscle Assemblies**

Sarah E. Hitchcock-DeGregori

**Quantum Effects in Proteins**

P. Leslie Dutton

**Molecular Mechanisms of Potassium Channel Function**

Richard W. Aldrich

**Ab initio Protein Design**

Ken A. Dill

**Mechanisms of Allosteric Transduction**

Gary K. Ackers

**Plasticity in Protein Structures**

Dagmar Ringe

**Ion Channel Regulation in Epithelial Cells**

Douglas C. Eaton

**1993****NMR of RNA Conformation and Protein-RNA Interaction**

Arthur Pardi

**Structure and Function of the Cytoskeleton**

Mary Lou Pardue

**Molecular Mechanisms of Membrane Fusion**

Robert Blumenthal

**Molecular Recognition and Binding**

Barry Honig

**Intracellular Ion Channels**

Joyce Diwan

**Molecular Models of Protein Kinases**

James Stull

**Biophysical Studies of the Synaptic Plasticity Underlying Learning and Memory**

John Lisman

**Macromolecular Crowding in Cellular Biochemistry and Biophysics**

Allen Minton

**1994****Calcium Waves**

Lionel F. Jaffe

**Structure and Function of the First Energy Coupling Site**

Tomoko Ohnishi

**Surface Particle Movements and Membrane Dynamics**

Ken Jacobson

**Functional Imaging of the Brain**

Kamil Ugurbil

**Biophysical Approaches to DNA Replication**

Peter H. von Hippel

**Seven Helix Receptors**

Catherine D. Strader

**Molecular Mechanisms of Mechanotransduction: From Bacteria to Buckminster**

Owen P. Hamill

**Biophysical Approaches to Transcriptional Regulation**

Catherine A. Royer

**Protein Folding: Recognition of Submolecular Domains**

Clare K. Woodward

**Structure and Function of the Nuclear Pore**

Louis J. DeFelice

**Structurally and Functionally Specific Water**

Paul B. Sigler

**MechanoEnzymes**

Edwin Taylor

**1995****Chaperonin-mediated Protein Folding**

Ulrich Hartl

**Electrostatic Forces in Macromolecular Function**

Stuart G. McLaughlin

**Light-dependent Proteins: Function and Structure**

Richard Henderson

**A Tale of Two Motors: Myosin and Kinesin**

H. Lee Sweeney

**Mechanisms of Exocytosis**

Fredric S. Cohen

**Emulation and Simulation of Neuronal Function**

Eve Marder

**De Novo Protein Design**

William DeGrado

**Catalytic RNA: Mechanism and Structure**

Ignacio Tinoco, Jr.

**Mechanisms of Metal Ion Binding and Selectivity**

Joseph J. Falke

**Complex Ion Channel Interactions**

Lorna Role

**Porin and VDAC**

Marco Colombini

**Nucleic Acid Motifs for Protein Recognition**

Dixie J. Goss

**Minority Affairs Symposium**

Muriel S. Prouty

**1996****Conveying Mechanical Stimuli to Channels**

Cathy E. Morris

**Nucleic Acid Recognition**

Kenneth J. Breslauer

**Photosynthetic Light-harvesting Complexes and Energy Trapping**

Kenneth Sauer

**Transport, Membranes and Structure**

Cynthia V. Stauffacher

**DNA Enzymes and their Substrates: Motors, Mechanisms and More**

Steven M. Block

**Structure and Mechanism in Cellular Signal Transduction**

John Kuriyan

**Studies of Protein Complexes by NMR: The Next Frontier**

Angela Gronenborn

**Insertion and Assembly of Membrane Proteins**

Stephen H. White

**Biophysical Approaches to Presynaptic Terminals**

Steven A. Siegelbaum

**Transporters and Channels: Functional Similarities**

Henry A. Lester

**Scanning Probe Microscopies**

Stephen G. Sligar

**Protein Folding**

Eaton Lattman

**1997****Protein Insertion into Membranes**

Art E. Johnson

**Molecular Approaches to Transmembrane Signaling**

Linda J. Kenney

**Blockade of Ion Channels: Functional Determinant and Structural Tool**

James A. Fox

**Switches and Motors: Common Features of G Proteins, Kinesin & Myosin**

H. Lee Sweeney

**Protein-DNA Interaction**

Richard Brennan

**Structural Determinants of Calcium Channel Signaling**

Kurt Beam

**AIDS and Its Associated Opportunistic Infections - Drug Discovery and Development**

Manuel A. Navia

**Local Ca<sup>2+</sup> Signaling in Muscle and Nerve**

W. Jonathan Lederer

**Molecular Recognition on the Membrane Surface: Membrane Targets and Binding Motifs**

Suzanne F. Scarlata

**Nonlinear Optical Microscopy: Applications in Biology**

Winfried Denk

**Structure Based Analysis of Gene Sequences**

Barry Honig

**Regulation of Ion Channels by Heterotrimeric G Proteins**

Gabor Szabo

**The Multidrug Resistance Protein: Pump or Paradox?**

Paul D. Roepe

**1998****The Conformational Language of Calcium Regulation**

Jill Trehwella

**RNA in Three Dimensions**

Peter B. Moore

**NMR takes on Structure Determination of Membrane Proteins**

Stanley J. Opella

**Bioinformatics: Computer-Based Predictions of Protein Structure and Binding**

Ruth Nussinov

**Redox-Active Centers in Enzymes: New Insights into Structure and Mechanism**

Bridgette Barry

**Through the Channel Darkle: New Structural Insights**

Diane M. Papazian

**Frontiers in Magnetic Resonance: Protein Structure and Dynamics**

Robert Tycko

**Protein Folding: Energy Landscapes and Ensembles**

D. Wayne Bolen

**The Devil is in the Details: Structural and Mechanistic Aspects of Transcription**

Dorothy Eerie

**Moving Towards the Molecular Basis of Motility**

Ivan Rayment

**The Thermodynamics of Intimate Associations: Proteins and Nucleic Acids**

Linda Jen-Jacobson

**Structural Basis of Energy Transduction of Membranes**

David L. Stokes

**Single Molecules at Work**

Steven M. Block

**Biophysical Approaches to Understanding DNA Replication and Recombination**

Edward H. Egelman

**1999****Advanced Optical Methods to Study Synaptic Function**

Karel Svoboda

- Bioinformatics**  
Paul Thomas
- Biophysical Approaches to Decipher the Mechanisms of Protein Folding Diseases**  
Thomas L. James
- Conformation Changes, Subunit Interactions, and Cooperativity in Ion Channel Gating**  
Richard Aldrich
- DNA Structure and Genomic Instability**  
Cynthia T. McMurray  
Goutam Gupta
- Emerging Trends in Cell Membrane Ionic Transport**  
Héctor Rasgado-Flores
- Intracellular Recruitment of Signaling**  
Joseph J. Falke
- Protein Design at the Interface of Theory, Computation and Experiment**  
Stephen L. Mayo
- Revolution in Channel Physiology: Plasticity in Structure and Function**  
W. Jonathan Lederer
- Shedding Light on Single Molecules**  
Jeff Gelles
- Structural Analysis of Eukaryotic Signaling**  
John Kuriyan
- 2000**  
**Muscle Crossbridges: Stepping into the Millennium**  
Hugh Huxley
- Membrane Transport Proteins: Schlepping Through the Bilayer**  
H. Ronald Kaback
- Structural Biology in Genomic Analysis**  
Gaetano T. Montelione
- G Protein Signalling: From Receptor to Effector**  
Heidi E. Hamm
- Protein Folding: An Urgent Problem in the Postgenomic Era**  
Lila Gierasch
- Membrane Trafficking & Vesicle Fusion**  
Wolfgang Almers
- Folding, Form and Function of RNA and DNA Molecules**  
Anna Marie Pyle
- Phosphatidylinositides in Cell Signalling**  
Donald Hilgemann
- Molecular Motors: Design and Performance**  
David M. Warshaw
- Transmitter-gated Channel Structure and Function**  
Mark Mayer
- Hybrid Crystallography and Electron Cryomicroscopy: Elucidating Macromolecular Complexes**  
Wah Chiu
- 2001**  
**Going to the Library: Proteomics, Genomics & Combinatorial Approaches**  
Mathias Mann
- Protein-Lipid Interactions: Minding the Membrane**  
Stephen White
- Calcium Signaling Within & Between Cells**  
Andrew Thomas
- Solution NMR: Pushing the Envelope**  
Gerhard Wagner
- Sizing up Single Molecules**  
Sunney Xie
- Structure of a Complete Signaling Pathway: Bacterial Chemotaxis**  
Ann Stock
- Muscling up to Motor Proteins**  
James Spudich
- Transmembrane Receptors**  
Dan Opryan
- Microtubule-Chromosome Attachments-The Kinetochore**  
J. Richard McIntosh
- Nitric Oxide as Second Messenger: Still Learning to Say NO**  
Michael Marletta
- Protein Folding, Misfolding and Design**  
Art Horwich
- Ion Channels: Toward a Structural View of Mechanism**  
Gary Yellen
- Biosensors: Natural and Novel**  
Maria-Alda Gilles-Gonzalez
- New & Notable: First GPCR Structures & More**  
Joseph J. Falke
- From RNA to Protein: The Ribosome**  
Jamie Cate
- 2002**  
**Channelopathies**  
Francis Ashcroft
- Functional Protein Dynamics**  
Julie Forman-Kay
- Membrane Rafts**  
Erwin London
- Mechanisms of Kinase Specificity: Scaffolds vs. Sequences**  
Michael B. Yaffe
- Data Driven Systems Biology**  
Philip Bourne
- Unconventional Myosins**  
Mark Mooseker
- Prions & Proteins Misfolding**  
Stanley Prusiner
- Microtubule-based Motors**  
Steven M. Block
- Complex Biological Machines: Structural & Functional Investigations**  
Cecile Pickart
- Phosphatase Regulation of Contractile Function**  
Avril Somlyo
- Structure & Function of Rotary Motors**  
David J. DeRosier
- Interrogation of Proteins in Heterogeneous Environments**  
Gary P. Drobny
- The Cell: Putting it Back Together**  
Stephen K. Burley
- Acetylcholine Receptors & The Neuromuscular Junction: From Atom to Synapse**  
Anthony Auerbach
- Imaging Function in Situ to in Vivo: New Developments in Microscopy**  
Mark H. Ellisman
- Multiple Technologies**  
Timothy A. Cross
- Membrane Channels & Pumps: Mechanisms of Transport**  
Robert M. Stroud
- Guardians of the Genome: Biophysics of DNA Repair**  
John A. Tainer
- Coupling Between Surface & Intracellular Channels in Muscle**  
Susan L. Hamilton
- Animating the Ribosome**  
Peter B. Moore
- 2003**  
**Protein Folds, Function, and Evolution**  
Mark Gerstein
- Probing Excitability and Contractility by Gene Transfer**  
Eduardo Marban
- Molecular Mechanisms of Membrane Fusion: Protein Machines & Lipid Materials**  
Barry R. Lentz
- Actin & Tubulin-Passive Substrates or Active Players**  
Thomas D. Pollard
- Countering the Emerging Biological Threat**  
Jill Trewthella
- Mechanochemistry of Unconventional Myosins**  
Kathleen M. Trybus
- Chaperones-Diversity in Structure and Mechanism**  
Sue Wickner
- Membrane Trafficking and Targeting**  
Suzanne F. Scarlata
- Topoisomerases and Recombinases: Enzymes that Push DNA Around**  
James M. Berger
- Single Molecule Folding and Catalysis**  
Jane Clarke
- Helicases & Motor Proteins that Act on Nucleic Acids**  
Dale Wigley
- Macromolecular Signaling and Trafficking of Ion Channels**  
Lily Jan
- Nucleic Acid Structure & Dynamics**  
James Williamson
- Biophysics in situ**  
Wolfgang Almers
- Calmodulin Regulation of Ion Channels**  
John P. Adelman
- Microtubule Motors: Structures and Mechanisms**  
Joe Howard
- Structural Integration-Chromatin at Many Levels of Details**  
Jeffrey C. Hansen
- 2004**  
**The Structure & Function of Coupled Transporters**  
Ernest M. Wright
- Non-Classical Molecular Motors**  
Steven Chu
- Membrane Protein Folding in vivo and in vitro**  
J. Antoinette Killian
- RNA Structure & Processing**  
Kathleen B. Hall
- How Hearing Happens: The Role of Molecular Motors and Ion Channels in Adaptation and Amplification by Hair Cells**  
A. James Hudspeth
- Protein Misfolding and Amyloidogenesis**  
Robert G. Griffin
- Signaling through Phospholipids and Their Metabolites**  
Donald W. Hilgemann
- Protein Aggregation & Disease Pathogenesis**  
Paul H. Axelsen
- Membrane Protein Structural Dynamics**  
Albert H. Beth
- Theoretical Cell Biophysics**  
Ken A. Dill
- Visualizing Cells & Organelles**  
Wolfgang P. Baumeister
- Membrane Biomechanics and Mechano-Sensitive Channels**  
Sergei I. Sukharev
- Multi-protein Nucleic Acid Complexes**  
John Bushweller
- Flexibility & Allostery in Signalling Proteins**  
Susan S. Taylor
- Forces & Dynamics in the Cytoskeleton: Janmey Functional Neuroimaging**  
Kamil Ugurbil
- Structural Dynamics of Myosin**  
David D. Thomas
- Structural Views into Ligand & Voltage Channel Gating**  
Francisco Bezanilla

**Structural Basis of Viral Pathogenesis**  
Michael G. Rossmann

**2005**

**TRP Channels: What a Sensation**  
David E. Clapham

**Molecular Machines that Organize DNA Structure**  
James Kadonaga

**Glycobiology: Synthesis, Multivalency and Glyochaperones**  
Peter Seeberger

**Control and Regulation of Calcium Signaling in E-C Coupling**  
Clara Franzini-Armstrong

**Cooperative Mechanisms in Molecular Motors**  
Yale E. Goldman

**Moonlighting Proteins: Old Proteins Learning New Tricks**  
Constance Jeffery

**Membrane Biophysics: Synaptotagmins, SNAREs and Vesicle Biogenesis**  
Edwin Chapman

**Biophysical Approaches to DNA Replication and Repair**  
Wei Yang

**Structural and Biophysical Dissection of Nucleocytoplasmic Transport**  
Ueli Aebi

**Protein Folding: Theory, Experiment and Design**  
Valerie Daggett

**Rho-GTPase Family Signaling: Intracellular and Structural Mechanisms**  
Avril Somlyo

**Nucleic Acid Packaging in Virus Particles**  
John E. Johnson

**Molecular Mechanisms of Translation**  
Wolfgang Wintermeyer

**Theoretical Models of Dynamical Systems**  
Ken A. Dill

**Allosteric Pathways Uncovered**  
Rama Ranganathan

**Mitochondrial Ion Channels: Gatekeepers of Life and Death**  
Brian O'Rourke

**Molecular Motors: Biophysical Mechanisms in Cell Biology**  
Margaret A. Titus

**Exploring Molecular Motions of Channels & Transporters**  
Eitan Reuveny

**RNA as a Therapeutic Drug Target: Progress and Challenges**  
Richard Roberts

**Advances in High-Resolution Cellular Electron Tomography**  
Niels Volkman  
Mark Ellisman

**Simulation Methodologies for Membrane Structure and Dynamics**  
H. Larry Scott

**Advances in Single-Molecule and Single-Cell Detection and Manipulation**  
Steven M. Block

**New Technologies for Electrophysiology**  
Kathryn Klemic

**2006**

**Bacterial Chemotaxis & Motility**  
Richard M. Berry

**Nucleosome Structure, Dynamics, & Function**  
Jon Widom

**Biophysics from Molecules to Cells**  
Steven M. Block

**Rearranging DNA Strands in Recombination, Replication, & Repair**  
Tom Ellengerger

**Self-Assembly of Cellular Architecture**  
Eva Nogales

**Energy Transduction and Subunit Coordination in AAA & Related Motor Enzymes**  
Tania Baker

**Structure by Design: From Single Proteins to Nanostructure**  
Ruth Nussinov

**Dynamics in Enzyme Function**  
Judith P. Klinman

**Small-Scale Systems Biology**  
Garrett Odell

**RNA Folding and Unfolding**  
Anna M. Pyle

**Visualizing Molecular Function in Living Cells**  
Robert Singer

**Biophysics of Bacterial DNA Segregation and Cell Division**  
Harold P. Erickson

**Structure-Function Relationships between Ion Channels & Ion Transporters**  
David C. Gadsby

**Electron Transfer-driven Energy Transduction**  
Robert R. Gennis

**Statistical Mechanical Insights into Biological Function**  
Robert Phillips

**Myosins: Diversity and Mechanism**  
Richard E. Cheney

**Protein Folding & Refolding in Biology**  
Peter Gettins

**2007**

**Calcium-activated Switches**  
Madeline A. Shea

**Biophysics & the Molecular Origins of Life**  
Gerald Joyce

**Protein Biophysics in Living Cells**  
Tom Kerppola

**Membrane Transporters**  
H. Ronald Kaback

**Multiscale Phenomena in Biology**  
Benoit Roux

**Membrane Asymmetry & Trans-Membrane (Flip-Flop) Motion**  
Philippe F. Devaux

**RNA: Protein Particles**  
David Draper

**Intracellular Calcium Dynamics: The Interplay of Experiment and Modeling**  
James Sneyd

**Molecular Mechanisms of Cell Migration**  
Rick Horwitz

**Traffic: Regulation of Membrane Traffic in the Secretory and Endocytic Pathways**  
Sergio Grinstein

**RNA and Gene Regulation**  
Robert Batey

**Lateral Membrane Organization & Lipid-Protein Interactions**  
Michael Edidin

**Modeling as a Tool in Biophysics**  
Robert Eisenberg

**Nanomachines & Nanotechnologies**  
Wah Chiu

**Structural Basis of Voltage Sensing in Ion Channels**  
Frederick J. Sigworth

**Vesicle Dynamics**  
Robert H. Chow

**Modulation of Primary Sensory Function**  
Paul Fuchs

**The Ribosome as a Molecular**  
Peter B. Moore

**Myosin Motor Mechanism in Muscle**  
Malcolm Irving

**2008**  
**The Biophysics of the Immune Response**  
E. Yvonne Jones

**Mechanoenzymes**  
Susan P. Gilbert

**Membrane Protein Structure: Freed from the Lattice**  
Marc Baldus

**Putting the Move on Myosin**  
Piotr Fajer

**Driving Forces in Macromolecular Binding**  
Anthony Kossiakoff

**EGF Receptor Signaling and Networks**  
Kate Ferguson

**Translation and the Translocon**  
Arthur Johnson

**Imaging and Controlling Cellular Dynamics in vivo Using Light**  
Mark Schnitzer

**RNA in Action**  
Joseph Piccirilli

**Ca<sup>++</sup> Signaling: From the Plasma Membrane to the Nucleus**  
Barbara Ehrlich

**Collective Motor Dynamics in Cell Division**  
Fred MacKintosh

**Non-conducting Functions of Ion Channels**  
Federico Sesti

**Voltage-dependent Proton Channels Come of Age**  
Thomas DeCoursey

**Mechanisms of Exo- and Endocytosis**  
Timothy Ryan

**From Protein Crystals to Amyloid Fibrils: Condensed Colloidal Phases in Biology**  
Martin Muschol

**Damaged Proteins – Structural and Biological Consequences**  
Phoebe Stewart

**Allostery and Dynamics in Protein Function**  
Anthony Auerbach

**ABC Transporters: Molecular Structures and Mechanisms**  
Hassane Mchaourab

**Nucleic Acid-based Motors**  
Antoine van Oijen

**2009**

**Protein Modularity and Flexibility in Signal Transduction**  
David Eliezer, Richard Kriwacki

**Many Ways to Regulate a Molecular Motor**  
Samantha Harris

**The Biophysics of HIV**  
David Millar

**Systems Biology**  
Ravi lyengar

**How Proteins Move on DNA**  
Smita Patel

**Store-operated Calcium Channels in the Molecular Age**  
Richard Lewis

**Cholesterol as a Regulator of Channel and Receptor Function**  
Irena Levitan

**Monitoring RNAs: From Single Molecules to the Cell**  
Ignacio Tinoco

**Sensing the Membrane**  
William Dowhan

**New Frontiers in Biophysics**  
Hagan Bayley

**Cargo Transport by Single Molecular Motors**  
Kristen Verhey



- Regulated Intramembrane Proteolysis (RIP)**  
Yigong Shi
- G-Protein Coupled Receptor Structure and Regulation**  
Brian Kobilka, Jonathan A. Javitch
- RNA in Biology and Disease**  
Dinshaw Patel
- Channels, Transporters, and Pores: Ways to Cross the Membrane**  
Susan Buchanan
- The Dynamic Chromatin in Epigenetic Gene Control**  
Timothy J. Richmond
- DNA Processing in Genome Integrity and Maintenance**  
Michael O'Donnell
- Muscle: A Model System for Emergent Molecular Motor Properties**  
Claudia Veigel
- Membrane Trafficking**  
Barbara Baird
- Receptor-mediated Channel Activation**  
David Colquhoun
- 2010**
- Amyloids in Human Disease**  
Frank LaFerla
- The Cytoskeleton: Variations on a Theme**  
Edward Egleman
- Multiscale Structural Analysis of Very Large Complexes**  
Andrej Sali
- RNAs Large and Small**  
Anna Pyle
- The Proton Gets Channeled**  
Thomas DeCoursey
- Protein and Cellular Mechanics**  
Viola Vogel
- Structure and Dynamics of Membrane Transporters**  
Jue Chen
- Biophysics of the Failing Heart**  
John Solaro
- DNA Nanomachines in Vitro and Inside Living Cell**  
Hao Yan
- Target Structure-guided Drug Design**  
Philip Cole
- Epigenetic Control of Gene Expression**  
Aneel Aggarwal
- TRP Channel Multimodal Gating**  
Ardem Patapoutian
- Genome Organization and Dynamics**  
Michelle Wang
- Membranes as Barriers in Combating Infection**  
Yechiel Shai
- Calcium Flickers and Motility at the Leading Edge Membrane**  
Joseph Falke
- The 'Un' in Unconventional Molecular Motors**  
Samara Reck-Peterson
- Single Molecules Meet Systems Biology**  
Sunney Xie
- Mechanism of Electromechanical Coupling in Voltage-gated Ion Channels**  
William Catterall
- 2011**
- Ca<sup>2+</sup> Regulation of Channels**  
David Yue
- Noise and Fluctuations in Biology: Where is it important?**  
Bill Bialek
- Superresolution in Biology: Applications in Important Biological Problems**  
Ethan Garner
- Phospholipid Modulation of Ion Channels**  
Bertil Hille
- Allostery and Ligand Control and Function**  
Vincent Hilser
- Remodeling the Membrane**  
Mark Sansom
- Systems Biology—Control of Cellular Behaviors, Including Gradients and Feedback**  
Mustafa Khamash
- Cell and Tissue Mechanics and Modeling- AFM and Rheology, Small to Tissue Scale**  
Doug Robinson
- Interfaces Between Cells and the Outside World: Bioengineering Meetings Biophysics**  
Nancy Allbritton
- CFTR: Structure and Function of an Anion Channel and the Molecular Basis of Cystic Fibrosis**  
David Dawson
- Contributions of Network Theory to Biology**  
Sergei Maslov
- 50 Years of Chemiosmotic Hypothesis: Open Questions**  
Gerhard Hammer
- 25 Years of Membrane Protein Structure**  
Doug Rees
- What Drives Nucleic Acid Condensation?**  
Barbara Meyer
- The Alternating Access Mechanism in the Era of Transporter Structures**  
Christopher Miller
- Molecular Motors and the Cytoskeleton: Moving to the Boundaries**  
David Warshaw
- Single Molecule Biophysics of the Central Dogma**  
Joseph Puglisi
- Mechanotransduction at the Cellular Level: Detection and Response**  
Michael Sheetz
- 2012**
- Biological Insights from Systems Approaches to Protein Networks**  
Giulio Superti-Furga
- Biophysics of Membrane Fusion and Fission**  
Sandra Schmid
- Fluorescence Correlation Spectroscopy: Applications to Biophysics**  
Nancy Thompson
- Temperature Regulation of Channels**  
Tibor Rohacs
- Spatial Organization in Prokaryotic Cells: Quantitative Measurements to Quantitative Models**  
Ned Wingreen
- EAG-Family Channels: Mechanisms of Disease**  
Gail Robertson
- Cargo Transport by Coupled Molecular Motors**  
Stefan Diez
- Mitosis Studied with Biophysical Tools**  
Charles Asbury
- Chromosome Architecture and Function**  
Sankar Adya
- Stretching and Bending Lipid Membranes**  
Evan Evans
- Response of Single Molecules to Force: Bridging Length Scales**  
Wendy Thomas
- Transporter-Channel Interface**  
David Gadsby
- Soft Lithography for Biology**  
Christopher Chen
- Large Complexes and Machines - Dissecting Mechanism**  
Geeta Narlikar
- Myosin Binding Protein-C: A Modulator of Cardiac Contractility**  
Roger Craig
- Materials Science Meets Biology**  
Sangeeta Bhatia
- Dynamics of G-Protein Coupled Receptors**  
David Farnes
- Dynamics and Localization of RNAs**  
Robert Singer
- 2013**
- Viral Entry, Budding and Replication at Membranes**  
Karla Kirkegaard
- Chromosome Packaging, Processing, and Dynamics**  
Wilma K. Olson
- From Molecules to Tissues: How Forces are Transduced in Biology**  
Justin Molloy
- Proton Channels**
- Thomas DeCoursey
- Evolution & Computation to Design New Protein Functions**  
William Degrado
- Imaging from Molecules to Organisms**  
Jan Liphardt
- Mechanics in the Nucleus**  
Nynke Dekker
- Membrane Protein Folding**  
Paula Booth
- The Synapse**  
Josep Rizo
- Regulation of Protein Synthesis**  
Rachel Green
- Frontiers in Electron Microscopy**  
Grant Jensen
- Electrostatics**  
Bertrand Garcia-Moreno
- Counting Atoms in Big Machines**  
Carol Robinson
- Multiscale Methods in Structural Biology**  
Michael Levitt
- Interface of Brain and Machines**  
Andrew Schwartz
- Genomics and Biophysics**  
Jonathan Weissman
- Flagella and Motility**  
Howard Berg
- Biological Circuit Design**  
Ron Weiss
- Lipid and Lipid Bilayer Regulation of Ion Channel Function**  
Olaf Andersen
- Light-driven Reactions and Physiology**  
Janos Lanyi
- 2014**
- Membrane Transport in Fatty Acid Synthesis and Obesity**  
Ana Pajor and Da-Neng Wang
- Force Generation in Cell and Tissue Networks**  
Michael Sheetz and Clare Waterman
- RNA Assemblies and DNA Origami**  
Christina Smolke and Andrew Turberfield
- Cellular Stress, Protein Folding, and Disease**  
Judy Kim and Conner Sandefur
- Celebrating 100 Years of Crystallography: X-Rays Are Photons Too**  
Jane Richardson and Gregory Petsko
- Liquid Protein Assemblies in Spatial Organization and Ultrasensitive Signaling in Cells**  
Julie D. Forman-Kay and Tanja Mittag
- Molecular Basis for Regulation of Ca<sup>2+</sup> Channels**  
Stephen Long and Amy Lee



**Force Sensing in Muscle**  
Gabrielle Piazzesi and Mathias Gautel

**Biophysics of Personalized Medicine**

Donald Engelman and Kathleen Giacomini

**Stochasticity in Cellular Processes**  
Rachel Kuske and Nathalie Questembert-Balaban

**Regulation of Cytoskeletal Motors**  
Kazuhiro Oiwa and Marileen Dogterom

**Molecular Basis of Voltage Dependence**

Eduardo Perozo and Sudha Chakrapani

**Biophysics in Industry: Putting Evolution in Practice**

Kenneth Dill and Timothy Gardner

**Mechanosensing in Eukaryotes**  
Valeria Vasquez and Jeffrey Holt

**Structural Dynamics of Molecular Machines**

Julio Fernandez and Yasmine Meroz

**Molecular Self-Assembly - from in Vitro to Cellular Systems**

Suzanne Gaudet and Roy Bar-Ziv

**Applications of Quantum Mechanics to Biophysical Problems**

Qiang Cui and Sharon Hammes-Schiffer

**Myosin Motors in Vitro and in Cells**

Michelle Peckham and Margaret Titus

**Biophysics of Genetic Switches**  
Ido Golding and Laura Finzi

**Structures of Membrane Fusion**

David Weliky and Erica Ollmann Saphire

**Biophysics of Cell Division and Spatial Relationships**

Sue Biggins and Wallace Marshall

**2015**

**Regulated Protein Bridged Connection Membranes: STIM Proteins in Cellular Signaling**

Richard Lewis

**Mechanosensors**

Marcos Sotomeyer

**Systems Biology Approaches in Neuroscience**

Kristin Branson

**Emergent Behaviors and Collective Behaviors of Complex Systems**

Aaron Dinner

**Protein Evolution and Allosteric Methods**

Corey Wilson

**Cardiomyopathies and Contractile Proteins**

Leslie Leinwand

**Probing Ion Channel Structure/Function Using Novel Tools**

Henry Colecraft

**Epigenetics**

Michael Freid

**Mechanisms of Actin Filament Nucleation and Mechanotransduction**

Roberto Dominguez

**Molecular basis for Mitochondrial Signaling**

Tatiana Rostovtseva

**Bacterial Subcellular Dynamics at Super-Resolution: This Brings Super-Resolution to a Dynamic Sense**

Julie Biteen

**Neurotransmitter Transporters**

Olga Boudker

**Biophysics of RNA Processing: Degradation, Splicing, DEAD Box Proteins**

Sun Hur

**Molecules of Memory: Glutamate Receptor Channels**

Mark Mayer

**Nanoclustering of Membranes and Membrane Proteins**

Ka Yee Lee

**Extremophiles: Testing the Physical Limits of Living Systems**

Catherine Royer

**Membrane Trafficking**

Kerney Jebrell Clover

**Nanopores: Methods and Mechanistic Insights**

Zuzanna Siwy

**Advances in Electron Microscopy**

Yifan Cheng

**Catalysis in the Membrane**

Jochen Zimmer

**2016**

**Synthetic and Systems Biology**

Pamela Silver

**Pentameric Ligand-gated Ion Channels**

Cynthia Czajkowski

**Computational and Experimental Approaches to Protein Design**

Rama Ranganathan

**Signaling Complexes and Dynamics**

Hao Wu

**Structure and Motion of Cilia and Glagella**

Jonathan Howard

**DNA Nanostructures for Biophysics**

William Shih

**Lipid Flippases**

Raimund Dutzler

**Biomimetic Models for Study of Cytoskeletal Organization**

Kinneret Keren

**Mechanosensing and Mechanosignaling in Muscle**

Olga Mayans

**Molecular Mechanisms of Mechanosensation**

Yuh-Nung Jan

**Folding Rates and Routes**

Jane Clarke

**Expanding Horizons in Biophysics and Medical Physics**

Robert Jeraj

**Emerging Techniques for the Study of Cell Mechanics**

Amy Rowat

**Multiscale Biophysics of Membranes**

Felix Goñi

**Optogenetics in Neuroscience**

Edward Boyden

**p-ATPases: Structure, Mechanism, and Disease**

David Gadsby

**Time-resolved Crystallography**

Philip Anfinrud

**Voltage Sensing and Gating**

Peter Larsson

**Chemomechanical Coupling in Immune Response**

Jay Groves

**Multiscale Correlative Imaging Techniques**

Jacob Hoogenboom

**Crowding and Order in the Genome**

John Marko

**2017**  
**Protein in Vivo: From the Ribosome Through the Chaperone to the Native State**

Silvia Cavagnero

**Biophysics of the Cytoskeletal-Membrane Interface**

Michael M. Kozlov

**RNA Structures and Dynamics**

Sarah Woodson

**Single-Molecule Membrane Protein Dynamics**

Hugo Sanabria

**Mechanotransduction to Physiology**

Jorg Grandl

**Cancer Cell Biophysics**

Alissa Weaver

**Biophysics of lncRNA**

Gregor Neuert

**Catalyzed Membrane Fusion and Fission**

Phyllis Hanson

**TRP Channels**

Sharona E. Gordon

**Protein Folding Mechanisms**

Susan Marqusee

**Mitochondrial Dynamics and Transport**

Robert S. Balaban

**Epigenomic Changes Driven by Biomechanical Load**

Andrew D. McCulloch

**Transporters**

Hassane S. Mchaourab

**Destroying the Cytoskeleton**

Jennifer Ross

**Membrane Protein Biogenesis**

Charles Sanders

**Biophysics of Malaria Parasites**

Paula de Fronseca

**Protein Dynamics and Allostery**

Martin Weik

**Computational Cardiology**

Adam P. Hill

**Channel Gating Mechanisms**

Catherine Henzler-Wildman

**Anomalous Dynamics in Biological Systems**

Diego Krapf

---

## Past Student Symposia Speakers & Topics

(Organized by the Education Committee)

**1989-1991**

Norma M. Allewell  
Careers in Biophysics

**1992-1998**

Richard D. Ludescher  
A Molecular View of Life/What is Biophysics?

**1999**

Barry Selinsky  
What is Biophysics?

**2000**

Richard D. Ludescher  
What is Biophysics?

**2001**

Richard D. Ludescher  
What is Biophysics?

**2002**

Richard D. Ludescher  
What is Biophysics?

**2003**

Richard D. Ludescher  
Emerging Topics in Biophysics

**2004**

A. James Hudspeth  
How the Ear's Works Work: Transduction & Tuning by Hair Cell

**2005**

Catherine A. Royer  
Pressure Denaturation of Proteins

Achillefs Kapanidis  
Single Molecular Biophysics

**2006**

Ignacio Tinoco, Jr.  
Kinetics and Thermodynamics One Molecule at a Time

**2007**

John Steve Olson  
Biophysics, Baseball Gloves, & Blood Substitutes--Some Studies Based on Undergraduate Research

**2008**

Donald Crothers  
Nature Cares about Kinetics

David Eisenberg  
**Structural Biophysics of  
Aggregation Diseases**

**2009**  
Philip Nelson  
**Keeping the Physics in Biophysics,  
and Vice Versa**

**2010**  
Richard D. Ludescher  
**What is Biophysics?**

**2011**  
Richard D. Ludescher  
**What is Biophysics?**

**2012**  
Kenneth Dill  
**Emily M. Gray Lecture**

**2013**  
Louis de Felice  
**Emily M. Gray Lecture**

**2014**  
Alberto Diaspro  
**Emily M. Gray Lecture**

**2015**  
Meyer Jackson  
**Emily M. Gray Lecture**

---

## Past Award Winners

### Anatrace Membrane Protein Award

(Established in 2007)

The award recognizes investigators who have made a significant contribution to the field of membrane protein research.

**2008**  
H. Ronald Kaback, University of California, Los Angeles

**2009**  
Robert M. Stroud, University of California, San Francisco

**2010**  
Tom A. Rapoport, Harvard Medical School, HHMI

**2011**  
Shelagh Ferguson-Miller, Michigan State University

**2012**  
Charles R. Sanders, Vanderbilt University

**2013**  
Carol Robinson, University of Oxford, United Kingdom

**2014**  
Douglas Rees, California Institute of Technology

**2015**  
Anthony Watts, University of Oxford

**2016**  
Eric Gouaux, Vollum Institute

**2017**  
James U. Bowie, University of California, Los Angeles

### Avanti Award in Lipids

(Established in 1994 as a biannual award and renewed in 2002 as an annual award)

The award is given to an investigator for outstanding contributions to our understanding of lipid biophysics.

**1997**  
Ching-hsien Huang, University of Virginia

**1999**  
Richard M. Epand, McMaster University

**2000**  
Ronald N. McElhane, University of Alberta

**2003**  
John F. Nagle, Carnegie Mellon University

Stephanie Tristram-Nagle, Carnegie Mellon University

**2004**  
Thomas J. McIntosh, Duke University Medical Center

**2005**  
Joachim Seelig, University of Basel Biocenter

**2006**  
Thomas E. Thompson, University of Virginia Health Science Center

**2007**  
Klaus Gawrisch, NIAAA, NIH

**2008**  
Ben de Kruijff, Utrecht University, the Netherlands

**2009**  
Stephen H. White, University of California, Irvine

**2010**  
James A. Hamilton, Boston University School of Medicine

**2011**  
Eric Oldfield, University of Illinois

**2012**  
Huey W. Huang, Rice University

**2013**  
Joseph Zasadzinski, University of Minnesota

**2014**  
Michael Brown, University of Arizona

**2015**  
Gerald Feigenson, Cornell University

**2016**  
Philip Yeagle, University of Connecticut

**2017**  
Sarah L. Keller, University of Washington

### Michael and Kate Bárány Award for Young Investigators

(Established in 1992 and renamed in 1998)

The award is for an outstanding contribution to biophysics by a person who has not achieved the rank of full professor at the time of nomination.

**1992**  
Richard W. Aldrich, Stanford University

**1993**  
Ronald D. Vale, University of California, San Francisco

**1994**  
Steven M. Block, Rowland Institute for Science

**1995**  
Roderick MacKinnon, Harvard Medical School

**1996**  
David P. Corey, Harvard Medical School, HHMI

**1997**  
Donald W. Hilgemann, University of Texas Southwestern Medical Center

**1998**  
Winfried Denk, Lucent Technologies

**1999**  
Gaetano T. Montelione, Rutgers University

**2000**  
Elizabeth Komives, University of California, San Diego

**2001**  
Shimon Weiss, University of California, Berkeley

**2002**  
William Zagotta, University of Washington

**2003**  
Patricia Jennings, University of California, San Diego

**2004**  
Paul R. Selvin, University of Illinois, Urbana

**2005**  
Vincent J. Hilser, University of Texas

**2006**  
Anne-Frances Miller, University of Kentucky

**2007**  
Taekjip Ha, University of Illinois

**2008**  
Sergei Sukharev, University of Maryland, College Park

**2009**  
Gaudenz M. Danuser, Scripps Research Institute

**2010**  
Mark J. Schnitzer, Stanford University

**2011**  
Charalampos Kalodimos, Rutgers University

**2012**  
Vijay Pande, Stanford University

**2013**  
Patricia Clark, University of Notre Dame

**2014**  
Miriam Goodman, Stanford University School of Medicine

**2015**  
Sarah Teichmann, EMBL-EBI

**2016**  
Olga Boudker, Weill Cornell Medical College

**2017**  
Ahmet Yildiz, University of California, Berkeley

### Biophysical Journal Paper of the Year Award

**2015**  
Hervé Turlier, EMBL, Heidelberg, Germany

**2016**  
Jochen Hub, Georg-August-University Göttingen, Germany

**2017**  
Eva-Maria Collins, University of California, San Diego

### Margaret Oakley Dayhoff Award

(Established in 1984)

The award is given to a woman of very high promise who has not yet reached a position of high recognition within the structures of academic society.

**1984/85**  
Dagmar Ringe, Massachusetts Institute of Technology

Bonnie Ann Wallace, Columbia University

**1985/86**

Barbara A. Lewis, Oak Ridge National Laboratory and University of Tennessee

**1986/87**

Barbara E. Ehrlich, University of Connecticut Health Center

**1987/88**

Rachel Klevit, University of Washington

**1988/89**

Nancy L. Thompson, University of North Carolina

**1989/90**

Anne Walter, Wright State University

**1991/92**

Hazel M. Holden, University of Wisconsin

Francine R. Smith, University of North Carolina

**1992/93**

Carol Vandenberg, University of California, Santa Barbara

**1994/95**

Jean S. Baum, Rutgers University

**1995/96**

Lynne Regan, Yale University

**1996/97**

Susan Marqusee, University of California, Berkeley

**1998/99**

Judith R. Mourant, Los Alamos National Laboratory

**1999/00**

Lydia Gregoret, University of California, Santa Cruz

**2000/01**

Millie M. Georgiadis, Rutgers University

Ka Yee Christina Lee, University of Chicago

**2001/02**

Gina MacDonald, James Madison University

**2002/03**

Hao Wu, Cornell University, Weill Medical College

**2004**

Dorothee Kern, Brandeis University

**2005**

Sarah Keller, University of Washington

**2006**

Anne Hinderliter, North Dakota State University

**2007**

Kalina Hristova, Johns Hopkins University

**2008**

Judith Klein-Seetharaman, University of Pittsburgh School of Medicine

**2009**

Teresa Giraldez, Unidad de Investigacion HUNSC

Adrienne L. Fairwell, University of Washington

Jin Zhang, John Hopkins University School of Medicine

**2010**

Crina Nimigean, Weill Medical College, Cornell University

Maria Spies, University of Illinois, Urbana-Champaign

**2011**

Diane Lidke, University of New Mexico

**2012**

Lucy R. Forrest, Max Planck Institute of Biophysics, Frankfurt, Germany

**2013**

Katherine Henzler-Wildman, Washington University, St. Louis  
Jennifer Ross, University of Massachusetts, Amherst

**2014**

Sarah Veatch, University of Michigan

**2015**

Antonina Roll-Mecak, NINDS, NIH

**2016**

Polina Lishko, University of California, Berkley  
Sophie Dumont, University of California, San Francisco

**2017**

Julie S. Biteen, University of Michigan

### **Distinguished Service Award**

(Established in 1991)

The award honors service in the field of biophysics and for contributions beyond achievements in research.

**1991**

John B. Wolff, NIH

**1992**

Leo Lipetz, Ohio State University

**1993**

Arthur Kowalsky, NSF

**1994**

V. Adrian Parsegian, NIH

**1995**

Charles A. Miller, NIH

**1996**

Thomas E. Thompson, University of Virginia

**1997**

Thomas D. Pollard, Salk Institute for Biological Studies

**1998**

Victor A. Bloomfield, University of Minnesota

**1999**

Stephen H. White, University of California, Irvine

**2000**

Helen Berman, Rutgers University

**2001**

Frederic M. Richards, Yale University

**2002**

Peter B. Moore, Yale University

**2003**

Marvin Cassman, NIGMS, NIH

**2004**

Mary Dicky Barkley, Case Western Reserve University

**2005**

Sarah E. Hitchcock-DeGregori, UMDNJ RWJ Medical School

**2006**

Robert B. Gunn, Emory University School of Medicine

**2007**

Ken A. Dill, University of California, San Francisco

**2008**

Robert Callender, Albert Einstein College of Medicine

**2009**

Jeremy M. Berg, NIGMS, NIH

**2010**

Mordecai P. Blaustein, University of Maryland School of Medicine

**2011**

Olaf Anderson, Cornell University

**2012**

Edward Egelman, University of Virginia

**2013**

Klaus Schulten, University of Illinois, Urbana Champaign

**2014**

Linda Kenney, University of Illinois, Chicago

**2015**

Kamal Shukla, National Science Foundation

**2016**

Yale E. Goldman, University of Pennsylvania

**2016**

Leslie Loew, University of Connecticut Health Center

### **U.S. Genomics Award for Outstanding Investigator in the Field of Single Molecule Biology**

(Awarded 2006–2011)

To recognize an exceptional researcher for seminal contributions to the field of single molecule biology.

**2006**

James A. Spudich, Stanford University School of Medicine

**2007**

Howard C. Berg, Harvard University

**2008**

Steven M. Block, Stanford University

**2009**

Julio M. Fernandez, Columbia University

**2010**

Jane Clarke, University of Cambridge

**2011**

Toshio Yanagida, Osaka University

### **Fellows of the Biophysical Society**

(Established in 1999, temporarily suspended in 2013)

The award honors the Society's distinguished members who have demonstrated excellence in science and to expanded of the field of biophysics.

#### *Class of 2000*

Gary K. Ackers, Washington University School of Medicine

Richard W. Aldrich, Stanford University School of Medicine

Clay M. Armstrong, University of Pennsylvania

Daniel Axelrod, University of Michigan

Robert L. Baldwin, Stanford University School of Medicine

Francisco Bezanilla, University of California, Los Angeles

Rodney L. Blitonen, University of Virginia Health Science Center

Kevin P. Campbell, University of Iowa College of Medicine

Charles R. Cantor, Sequenom, Inc.

Donald L. D. Caspar, Florida State University

Carolyn Cohen, Brandeis University

Donald M. Crothers, Yale University

David Eisenberg, University of California, Los Angeles

- S. Walter Englander, University of Pennsylvania Medical School  
 Bertil Hille, University of Washington  
 Barry Honig, Columbia University  
 Wayne Hubbell, University of California, Los Angeles  
 Hugh E. Huxley, Brandeis University  
 William P. Jencks, Brandeis University  
 Jack H. Kaplan, Oregon Health Sciences University  
 Peter S. Kim, Whitehead Institute of Biomedical Research  
 Susan Lowey, University of Vermont  
 J. Andrew McCammon, University of California, San Diego  
 Harden M. McConnell, Stanford University  
 Gerard Meissner, University of North Carolina  
 Peter B. Moore, Yale University  
 V. Adrian Parsegian, NIH  
 Thomas D. Pollard, Salk Institute for Biological Studies  
 Frederic M. Richards, Yale University  
 Michael G. Rossman, Purdue University  
 Harold Scheraga, Cornell University  
 Andrew P. Somlyo, University of Virginia  
 Avril V. Somlyo, University of Virginia  
 Robert M. Stroud, University of California, San Francisco  
 Andrew G. Szent-Gyorgyi, Brandeis University  
 Thomas E. Thompson, University of Virginia School of Medicine  
 Richard W. Tsien, Stanford University School of Medicine  
 Watt W. Webb, Cornell University  
 Annemarie Weber, Emeritus Member
- Class of 2001**  
 Helen M. Berman, Rutgers University  
 Ludwig Brand, Johns Hopkins University  
 George Feher, University of California, San Diego  
 Manuel F. Morales, University of the Pacific  
 Wilma K. Olson, Rutgers University  
 Arieh Warshel, University of Southern California
- Class of 2002**  
 David J. DeRosier, Brandeis University  
 Ken A. Dill, University of California, San Francisco  
 William A. Eaton, LCP, NIDDK, NIH  
 Joachim Frank, HHMI  
 Hans Frauenfelder, Los Alamos National Laboratory
- Robert B. Gennis, University of Illinois, Urbana  
 Wayne A. Hendrickson, Columbia University  
 Terrell L. Hill, Emeritus Member  
 Joseph F. Hoffman, Yale University  
 H. Ronald Kaback, University of California, Los Angeles  
 Irwin D. Kuntz, University of California, San Francisco  
 W. Jonathan Lederer, University of Maryland  
 John L. Markley, University of Wisconsin  
 John A. Schellman, University of Oregon  
 Ignacio Tinoco, University of California, Berkeley  
 Peter H. von Hippel, University of Oregon  
 Stephen H. White, University of California, Irvine, School of Medicine  
 Clare K. Woodward, Utah State University  
 Bruno H. Zimm, University of California, San Diego
- Class of 2003**  
 Mordecai P. Blaustein, University of Maryland School of Medicine  
 David R. Davies, NIDDK, NIH  
 John Gergely, Boston Biomedical Research Institute  
 Rufus Lumry, University of Minnesota  
 James H. Prestegard, University of Georgia  
 Peter G. Wolynes, University of California, San Diego
- Class of 2004**  
 David L. Beveridge, Wesleyan University  
 Ronald N. McElhaney, University of Alberta  
 Mauricio Montal, University of California, San Diego  
 Brian B. Sykes, University of Alberta
- Class of 2005**  
 Sunney I. Chan, California Institute of Technology  
 Edward H. Egelman, University of Virginia Health Science Center  
 Jeffrey Skolnick, Buffalo Center of Excellence Bioinform  
 David D. Thomas, University of Minnesota Medical School  
 Ernest M. Wright, University of California, Los Angeles
- Class of 2006**  
 Michael Bárány, University of Illinois College of Medicine  
 Yale E. Goldman, University of Pennsylvania
- Martin Gruebele, University of Illinois, Urbana  
 M. Thomas Record, University of Wisconsin, Madison  
 J. Walter Woodbury, University of Utah, Medical School  
 Xiaoling Sunney Xie, Harvard University
- Class of 2007**  
 Steven Boxer, Stanford University  
 Maurizio Brunori, University of Rome  
 William Cramer, Purdue University  
 Elliot L. Elson, Washington University  
 George P. Hess, Cornell University
- Class of 2008**  
 Timothy A. Cross, Florida State University  
 Eve E. Marder, Brandeis University  
 Ivan Rayment, University of Wisconsin  
 Stephen G. Sligar, University of Illinois, Urbana-Champaign  
 Attila Szabo, NIDDK, NIH
- Class of 2009**  
 Donald M. Bers, University of California, Davis  
 Betty J. Gaffney, Florida State University  
 Robert L. Jernigan, Iowa State University  
 Mark T. Nelson, University of Vermont  
 Diane M. Papazian, University of California, Los Angeles
- Class of 2010**  
 Steven M. Block, Stanford University  
 David S. Cafiso, University of Virginia  
 G. Marius Clore, NIDDK, NIH  
 Michael A. Edidin, Johns Hopkins University  
 Shelagh Ferguson-Miller, Michigan State University  
 Andrew Joshua Wand, University of Pennsylvania School of Medicine
- Class of 2011**  
 Valerie Daggett, University of Washington  
 Donald M. Engelman, Yale University  
 Jennifer Lippincott-Schwartz, NIGMS, NIH  
 Erwin Neher, Max-Planck Institute of Biophysical Chemistry  
 Ruth Nussinov, NCI, NIH  
 Lynne J. Regan, Yale University  
 Anthony Watts, University of Oxford
- Class of 2012**  
 Carlos Bustamante, University of California, Berkeley  
 José Onuchic, Rice University
- Tamar Schlick, New York University  
 Klaus Schulten, University of Illinois, Urbana-Champaign  
 Frances Separovic, University of Melbourne, Australia  
 Gregory Voth, University of Chicago  
 Toshio Yanagida, Osaka University, Japan
- Class of 2014**  
 Barbara Baird, Cornell University  
 Michael Brown, University of Arizona  
 Lila Gierasch, University of Massachusetts  
 Karolin Luger, Colorado State University  
 Benoit Roux, University of Chicago  
 Michael Sheetz, Columbia University  
 Devarajan Thirumalai, University of Maryland  
 David Warshaw, University of Vermont College of Medicine
- Class of 2015**  
 Joseph J. Falke, University of Colorado, Boulder  
 Sharon Hammes-Schiffer, University of Illinois, Urbana Champaign  
 Timothy Lohman, Washington University, St. Louis  
 Susan Marqusee, University of California, Berkeley  
 George Phillips, Rice University  
 James Sellers, LMP, NHLBI, NIH
- Class of 2016**  
 Jane Clarke, University of Cambridge, United Kingdom  
 Angel E. Garcia, Los Alamos National Laboratory  
 Matthias Rief, TU Munchen, Germany  
 Antoinette Killian, Utrecht University, Netherlands  
 Walter J. Chazin, Vanderbilt University  
 Nancy L. Thompson, University of North Carolina  
 Charles L. Brooks, University of Michigan  
 L. Mario Amzel, Johns Hopkins University  
 Eduardo Perozo, University of Chicago
- Class of 2017**  
 Jonathon Howard, Yale University  
 Michael Levitt, Stanford University  
 Lewis E. Kay, University of Toronto, Canada  
 Brian Kobilka, Stanford University  
 Jane S. Richardson, Duke University



Petra Schwille, Max Planck Institute, Germany  
Bonnie Wallace, University of London, Birbeck College, United Kingdom

### Founders Award

(Established in 1986 as the Elisabeth Roberts Cole Award and renamed in 2000)

The award is given for outstanding achievement in any area.

#### 1986

George Eisenman, University of California, Los Angeles

#### 1987

Lawrence B. Cohen, Yale University School of Medicine

#### 1988

Seymour H. Koenig, T. J. Watson Research Center, IBM

#### 1989

Ramon Latorre, University of Chile

#### 1990

Joel Brown, Albert Einstein College of Medicine

#### 1991

Wayne L. Hubbell, University of California, Los Angeles

#### 1992

Robert M. Glaeser, University of California, Berkeley

#### 1993

David J. DeRosier, Brandeis University

Joachim Frank, New York State Department of Health

#### 1994

Gary K. Ackers, Washington University

#### 1995

David A. Yphantis, University of Connecticut

#### 1996

Ignacio Tinoco, Jr., University of California, Berkeley

#### 1997

William H. Woodruff, Los Alamos National Laboratory

#### 1998

Michael G. Rossmann, Purdue University

#### 1999

Robert L. Baldwin, Stanford University

#### 2000

Carolyn Cohen, Brandeis University

#### 2001

M. Thomas Record, University of Wisconsin

#### 2002

Barry Honig, Columbia University

#### 2003

Irwin D. Kuntz, University of California, San Francisco

#### 2004

Carlos Bustamante, University of California, Berkeley

#### 2005

Thomas G. Spiro, Princeton University

#### 2006

William A. Eaton, LCP, NIDDK, NIH

#### 2007

Clara Franzini-Armstrong, University of Pennsylvania

#### 2008

Peter Wolynes, University of California, San Diego

#### 2009

Keiichi Namba, Osaka University

#### 2010

S. Walter Englander, University of Pennsylvania

#### 2011

Attila Szabo, NIDDK, NIH

#### 2012

Sunney Xie, Harvard University

#### 2013

Peter von Hippel, University of Oregon

#### 2014

Arieh Warshel, University of Southern California

#### 2015

Harold Scheraga, Cornell University

#### 2016

Steven M. Block, Stanford University

#### 2017

Donald E. Ingber, Harvard University

### Emily M. Gray Education Award

(Established in 1997)

The award is for significant contributions to education in biophysics whether by teaching, developing novel educational methods or materials, promoting scientific outreach efforts to the public or to youth, generating a track record of attracting new students to the field of biophysics, or by otherwise fostering an environment exceptionally conducive to education in biophysics.

*Beginning in 1998, Annual Meeting Student Symposia lectures were presented by Emily M. Gray Awardees.*

#### 1998

Muriel S. Prouty, Professor Emerita, University of the District of Columbia

#### 1999

Kensal E. van Holde, Oregon State University

#### 2000

Charles Cantor, Sequenom Inc

Paul Schimmel, Scripps Research Institute

#### 2001

Jane S. Richardson, Duke University Medical Center

#### 2002

Norma M. Allewell, University of Maryland, College Park

#### 2003

Michael F. Summers, University of Maryland, Baltimore

#### 2004

Richard D. Ludescher, Rutgers University

#### 2005

Barry R. Lentz, University of North Carolina at Chapel Hill

#### 2006

Ignacio Tinoco, Jr., University of California, Berkeley

#### 2007

John Steve Olson, Rice University

#### 2008

Donald Crothers, Yale University

David Eisenberg, University of California, Los Angeles

#### 2009

Philip C. Nelson, University of Pennsylvania

#### 2010

Greta Pifat-Mrzljak, Rudjer Boskovic Institute

#### 2011

Bertil Hille, University of Washington

#### 2012

Sarina Bromberg, Freelance Writer

Kenneth Dill, Stony Brook University

#### 2013

Louis de Felice, Virginia Commonwealth University

#### 2014

Alberto Diaspro, Italian Institute of Technology, Genoa, Italy

#### 2015

Meyer Jackson, University of Wisconsin

#### 2016

Douglas Robinson, Johns Hopkins University

#### 2017

Enrique M. De La Cruz, Yale University

### Kazuhiko Kinoshita Award in Single Molecule Biophysics

(Established 2017)

The Kazuhiko Kinoshita Award in Single Molecule Biophysics recognizes outstanding researchers for their exceptional contributions in advancing the field of single molecule biophysics.

#### 2017

Shin'ichi Ishiwata, Waseda University

### Harold Lampert Award

(Awarded 1977–1994)

The Award was presented to the graduate student member giving the best poster presentation.

#### 1977

J. B. Patlak, University of California, Los Angeles

R. L. Burke, State University of New York, Stony Brook

#### 1978

George A. Gibson, State University of New York, Binghamton

#### 1979

Richard Levis, Rush University

#### 1980

David R. Manning, University of Texas Health Science Center

#### 1981

Martin Potschka, University of Connecticut

Lawrence C. Kuo, University of Chicago

#### 1982

Dennis R. Hare, University of Washington

#### 1983

William A. Houle, University of Oregon

#### 1984

Michael S. Strain, Yale University

#### 1985

Richard Ludescher, University of Oregon

#### 1986

Laura Lerner, Johns Hopkins University

#### 1987

Dixon J. Woodbury, University of California, Irvine

#### 1988

Giselle Scott-Woo, University of Calgary

#### 1989

Greg B. Wells, University of Chicago



**1988**

Myun K. Han, Johns Hopkins University

**1989**

Cindy M. L. Hutnik, University of Ottawa

**1990**

Diana B. Cherbavasz, Brandeis University

Lisa M. Smith, Case Western Reserve University

**1994**

Hung Pin Kao, University of California, San Francisco

### Student Research Achievement Award

(Established in 1994)

The Awards are presented to the graduate student members preparing the best poster presentations in the subgroup research areas, who officially entered the competition at the time of abstract submission.

**1995**

Vinod Subramaniam, University of Michigan

**1996**

Patricia Clark, University of Texas, Southwest Medical Center

Wenjun Sun, Carnegie Mellon University

**1997**

John P. Clement, Baylor College of Medicine

**1998**

Julie Dalziel, Australian National University

**1999**

Isabelle Deschênes, Laval University

**2000**

Jennifer Kimmel, Texas A&M University

**2001**

*Joint 1st Place Winners:*

Kathy DeJong, University of Western Ontario

Kimberly Matulef, University of Washington

*Joint 2nd Place Winners:*

Jenafer Evans, University of Florida

Ching Ling Teng, University of Virginia

**2002**

Yanire Andrade, Pontificia Universidad Catolica de Chile

Trevor Cottrell, University of Arizona

Michael Erickson, Johns Hopkins University School of Medicine

Meredith Newby, Florida State University

Prithwish Pal, University of Rochester Medical Center

Sophie Pautot, Harvard University  
Saveez Saftarian, Washington University, St. Louis

Reneka Sivendran, University of Massachusetts

Deborah Sterling, University of Alberta

Jie Xiao, Rice University

Xinsheng Zhu, University of Wisconsin School of Medicine

**2003**

David Li, Albert Einstein College of Medicine

Sally Kim, University of Texas, Houston Health Science Center

David Bostick, University of North Carolina at Chapel Hill

Rhonda Newman, University of Iowa

Allison Ortigosa, Texas A&M University

Sarah Veatch, University of Washington

**2004**

Zeyneo Akyol, University of Iowa

Richard Baxter, University of Chicago

David Bostick, University of North Carolina at Chapel Hill

Long Cai, Harvard University

Yen-Ju Chen, University of Virginia Health System

Carmen Chirita, Ohio State University

Matthew Clifton, Purdue University

Daniel Dombeck, Cornell University

Kapil Gupta, Johns Hopkins University

Hong Ji, Albert Einstein College of Medicine

Michael Puljung, University of Chicago

Sudarshan Rajagopal, University of Chicago

Likai Song, Florida State University

Justin Stambaugh, University of Maryland

Shoji Takashi, Johns Hopkins University School of Medicine

Guruvasuthevan Thuduppathy, Johns Hopkins University

**2005**

Se Jin Han, University of Maryland

Benedict Hebert, McGill University

Giunn B. Heng, University of Illinois, Urbana-Champaign

Chiaki Ishii, Stanford University

Rodolphe P. Kutra, Case Western Reserve University

Xiaoying Lu, University of Iowa

John T. Mongan, University of California, San Diego

Ling Qin, Michigan State University  
Bridget Salzameda, University of Nevada, Reno

Veronica A. Segarra, Yale University

Won-Chul Shin, University Missouri, Columbia

Ann M. Stanley, Johns Hopkins University

Wenyi Zhang, Stony Brook University

**2006**

Dukagjin Blakaj, Albert Einstein College of Medicine

Xiaohui Chen, University of Missouri

Corey Dambacher, San Diego State University

Marcel Friedrich, Max Planck Institute

Nicholas Guydosh, Stanford University

Xue Han, Johns Hopkins University

Gwangrog Lee, Duke University

Katherine Mayer, Rice University

J. Craig Moffat Jr., Brigham Young University

Hena Ramay, George Mason University Undergraduate

Lai Hock Tay, Johns Hopkins University

Rosemary Turingan, University of Massachusetts

Tzu-Ming Wang, University of Texas Southwestern Medical Center

**2007**

Elvera Baron, Mount Sinai School of Medicine

Lee Cambrea, Purdue University

Salvatore Chiantia, Technische University, Dresden

Shelli Frey, University of Chicago

Eric Hayden, Albert Einstein College of Medicine

David Hokanson, University of Pennsylvania School of Medicine

Marque Moffett, University of Vermont

Arait Ramesh, Texas A&M University

Yilong Shu, University of Missouri

Wenzhi Tan, University of Maryland, College Park

Jessica Walter, University of California, Berkeley

Yunkun Wu, University of Alabama, Birmingham

**2008**

An-Chi Wei, Johns Hopkins University

Nithya Srinivasan, Pennsylvania State University

Michelle Yu, Albert Einstein College of Medicine

Jill B. Jensen, University of Washington

Sunitha Ayers, Cornell University

Elizabeth Covington, Stanford University

John Fisher, St. Jude Children's Research Hospital

Ireena Bagai, University of Arizona

Susan O'Donnell, University of Iowa

Nagy Stanislav, University of Chicago

Lijuan He, Johns Hopkins University

Julio Cordero-Morales, University of Virginia

**2009**

Baldomero Alonso-Latorre, University of California, San Diego

Joanna Andrecka, Ludwig Maximilians University

Dipanwita Batabyal, Albert Einstein College of Medicine

Khajak Berberian, Cornell University

Amanda Carpenter, University of Colorado, Boulder

Sebastian Morin, University of Laval

Joerg Nikolaus, Humboldt University, Berlin

Ariele Viacava Follis, Georgetown University

Kely Sheldon, NIH

Ameer Thompson, Weill Medical College, Cornell University

Barbara Treutlein, Ludwig Maximilians University

TingTing Yang, Johns Hopkins University

**2010**

Manasi Bhate, Columbia University

James A. Cooke, Macquarie University

Proleta Datta, University of Texas Medical School at Houston

Paul G. DeCaen, University of Washington

Jaya Ghosh, University of Missouri

Helgi I. Ingolfsson, Weill Medical College, Cornell University

Pierre Karam, McGill University

Minkyu Kim, Duke University

Christoph Nowak, Max Planck Institute for Polymer Research

Joshua Phillips, University of California, Merced

Sevenaz Sarabipour, John Hopkins University

**2011**

Patrick Cutler, University of New Mexico

William Elam, Johns Hopkins University  
Vimal Gangadharan, University of Delaware  
Marcela Gonzalez-Granillo, Joseph Fourier University  
Ariel Lewis-Ballester, Albert Einstein College of Medicine  
Monica Yun Liu, Yale University  
Paolo Lobo, University of British Columbia  
Albert Mao, Washington University  
Elizabeth Middleton, Yale University  
Preston Moon, Johns Hopkins University  
Jason Perlmutter, University of Minnesota, Twin Cities  
Kene Piasta, Brandeis University  
Natasha Pirman, University of Florida  
Davit Potoyan, University of Maryland, College Park  
Ruoyi Qiu, North Carolina State University  
Friedrich Roder, University of Osnabrueck  
Prattana Samasilp, Case Western Reserve University  
Cynthia Stanich, University of Washington  
Albrecht von Hardenberg, University of Saarlandes  
Zachary Wissner-Gross, Harvard University

### 2012

Anuja Chandrasekar, University of Texas Health Science Center, Houston  
Thomas Chew, University of California, San Diego  
Leslie Conway, University of Massachusetts, Amherst  
Amicia Elliott, Vanderbilt University  
Lawrence Gray, University of Iowa  
S. Saif Hasan, Purdue University  
Yanxin Liu, University of Illinois  
Sayan Mondal, Cornell University  
Ruoyi Qiu, North Carolina State University  
María Queralt Martín, James I University, Spain  
Prattana Samasilp, Case Western Reserve University  
Frank Smith, Temple University  
Cynthia Stanich, University of Washington  
Shannon Yan, University of California, Berkeley

### 2013

Khadijeh Alnajjar, Wright State University  
David Baez-Neito, CINV, Chile  
Niccolo Banterle, European Molecular Biology Laboratory, Germany  
Reuben Friend, University of Sheffield, United Kingdom  
Kiersten Ruff, Washington University  
Stefan Scheidelaar, Utrecht University, The Netherlands  
Jie-Pan Shen, Academia Sinica, Taiwan  
Kuang Shen, California Institute of Technology  
Anand Singh, National University of Singapore  
Shahar Sukenik, Hebrew University of Jerusalem, Israel  
Swati Tyagi, European Molecular Biology Laboratory, Germany  
Li Wang, University of Iowa  
Ziqing Zhao, Harvard University

### 2014

Donald Chang, Columbia University  
Shasha Chong, Harvard University  
Melinda Diver, Memorial Sloan-Kettering Cancer Center  
Katherina Hemmen, Heinrich-Heine University  
Felix Hohendanner, Rush University Chicago  
Alex Holehouse, Washington University in St. Louis  
Karin Kornmueller, Medical University of Graz  
Hema Chandra Kotamarthi, Tata Institute of Fundamental Research  
Czuee Morey, University of Lausanne  
Jaime Ortega Arroyo, University of Oxford  
Kiersten Ruff, Washington University in St. Louis  
Zackary Scholl, Duke University  
Soroosh Solhjoo, Johns Hopkins University  
Darshan Trivedi, Pennsylvania State University  
Jonathan Zerweck, Karlsruhe Institute of Technology

### 2015

Rayna Addabbo, University of Wisconsin-Madison  
George Hedger, University of Oxford, United Kingdom  
Alex Holehouse, Washington University in St. Louis

Ikenna Ivenso, Texas Tech University  
Bo Hyun Lee, University of California- Davis  
Rong Liu, Wayne State University  
Thomas-Otavio Peulen, Heinrich Heine University, Germany  
Supriya Balaji Ramachandran, University of Missouri Columbia  
Marcus Schewe, Institute of Physiology, Germany  
Huong Vu, IPST, University of Maryland  
Ewald Weichselbaum, Institute of Biophysics, Austria

### 2016

Rayna Addabbo, University of Wisconsin-Madison  
Martina Audagnotto, École Polytechnique Fédérale de Lausanne  
Federico Comitani, King's College London  
Caitlin Cornell, University of Washington  
Bogdan Iaparov, Ural Federal University  
Ishutesh Jain, Indian Institute of Technology Bombay  
Sarah Kim, Johns Hopkins University  
Worawan Limpitikul, Johns Hopkins University School of Medicine  
Paween Mahinthichaichan, University of Illinois at Urbana-Champaign  
Michiel Niesen, California Institute of Technology  
Jason Paxman, Brigham Young University  
Cholpon Tilegenova, Texas Tech University Health Sciences Center  
Yan Yan, Emory University  
Gül Zerze, Lehigh University

### 2017

Lucia Alonso-Carbajo, University of Leuven, Belgium  
Raquel Arroyo, Complutense, University of Madrid, Spain  
Chandra Bappaditya, Tata Institute of Fundamental Research, India  
Hugo Brandao, Harvard University  
Ugur Cetiner, University of Maryland  
Mykola Dimura, University of Düsseldorf, Germany  
Tyler Harmon, Washington University, St. Louis  
Kalli Kappel, Stanford University  
Sarah Kim, John Hopkins University

Alex Kreutzberger, University of Virginia  
Sanaz Momben AbolfathThe Catholic University of America  
Divakaran Murugesapillai, Northeastern University  
Caitlin Nurik, University of Texas Health Science Center  
Rima Rebia, Northeastern Illinois University

# Biophysical Society Constitution & Bylaws

*Adopted February 1958; amended September 1991; amended August 1999; amended August 2002; amended August 2006; amended April 2012.*

## Constitution

### ARTICLE I

**Name:** The name of the society shall be the Biophysical Society.

### ARTICLE II

**Purpose:** The purpose of the Biophysical Society is to encourage development and dissemination of knowledge in biophysics.

### ARTICLE III

**Membership:** Membership in the Biophysical Society shall be open to scientists who share the stated purpose of the Society and who have educational, research, or practical experience in biophysics or in an allied scientific field.

### ARTICLE IV

**Officers:** The officers of the Society shall be a president, a president-elect, a secretary, and a treasurer. The president-elect shall serve one year as such, followed by one year as president. No person shall ever be eligible for re-election to the presidency.

The secretary and the treasurer shall be elected to staggered terms of four years. No person may hold the office of secretary and/or of treasurer for more than one term. A new secretary-elect and/or treasurer-elect shall work with the incumbent secretary and/or treasurer for six months during the latter's terminal year in office before assuming the responsibilities of the office. The four-year term shall begin with the assumption of full duties of the office.

### ARTICLE V

**Council:** There shall be a council responsible for the fulfillment of the scientific and business obligations of the Society.

The officers, the immediate past-president, and twelve elected members shall constitute this Council. The elected councilors shall be chosen by the membership of the Society for three-year terms, four to be elected each year. No elected member of the Council shall be eligible for reelection until one year after the expiration of a full three-year term.

### ARTICLE VI

The Council shall appoint and compensate an Executive Officer to assist in carrying on the functions

of the Society, including receipt and disbursement of funds. The Executive Officer shall not hold elective office in the Society.

### ARTICLE VII

**Affiliations:** The Society is empowered to affiliate with other organizations.

Proposals for affiliation may be initiated by individual members of the Council or by a petition to the Council signed by 0.5% of the regular members of the Society. To become effective, such proposals must be approved by a two-thirds majority of the Council, must be discussed at a succeeding business meeting of the Society, and must be ratified in a mail ballot by two-thirds of those members of the Society voting.

### ARTICLE VIII

**Bylaws:** The provisions of the Constitution of the Biophysical Society shall be carried out in accordance with the current Bylaws of the Society.

### ARTICLE IX

**Amendments to the Constitution:** Amendments may be initiated by individual members of the Council or by a petition to the Council signed by 0.5% of the regular members of the Society. Amendments must be approved by a two-thirds majority of the Council, must then be discussed at a subsequent business meeting of the Society, and must finally be ratified in a mail ballot by two-thirds of those members of the Society voting.

### ARTICLE X

**Dissolution:** Dissolution of the Society for any cause shall be initiated by individual members of the Council or by a petition to the Council signed by 0.5% of the regular members of the Society. Such motion or petition must be approved by a two-thirds majority of the Council, must then be discussed at a subsequent business meeting of the Society, and must finally be ratified in a mail ballot by two-thirds of those members of the Society voting. Dissolution must be in accordance with applicable regulations of the 1965 Internal Revenue Code, Section 506, or any amendments thereto. All funds and other assets of the Society, includ-

ing any rights to funds, present or future, contingent or actual, shall be irrevocably assigned and transferred to any successor society which has among its principal purposes the encouragement, development and dissemination of knowledge in the biological or physical sciences, and has qualified as an exempt organization under Section 501 of the 1956 Internal Revenue Code. Such activities or any amendments thereto need not be the only purpose of the successor society. The selection of the successor society must be approved by a two-thirds vote of the Council and named in the Council's minutes and its Articles of Dissolution, but need not be named in the motion of petition for dissolution. At the discretion of the Council, upon approval by a two-thirds vote of the Council, the naming of the selection may be included in the mail ballot submitted to the membership for ratification.

## Bylaws

### ARTICLE I

**Membership:** The Society shall consist of regular members (including charter members) and student members. It can admit to membership applicants eligible under Article III of the Constitution. Applicants must complete a Society membership form and submit it to the Society office for approval.

Only regular members in good standing shall have the right to vote, to sponsor new members, or to hold office. Charter members are those who have been admitted to the Society and who have paid their dues for 1957. Provided that dues are paid as specified in Article III of the Bylaws, charter members continue as regular members of the Society without further application. Students pursuing a course of study in biophysics or in related sciences, can be admitted to student membership (for a period not exceeding five years) when sponsored by a PI.

### ARTICLE II

**Meetings:** The Biophysical Society is authorized to hold scientific meetings, international, national and regional. There shall be held, at least annually, a business meeting in connection with a major scientific meeting of the Society. Parliamentary

procedures to be followed in the business meeting shall be those specified in "Robert's Rules of Order, Revised." Five per cent of the regular members, or 50, whichever is smaller, shall constitute a quorum.

### ARTICLE III

**Dues:** The fiscal year of the Society shall run from July 1 through June 30 of the subsequent calendar year. Membership will be by calendar year.

Membership dues may be changed from time to time by the Council, subject to approval by a majority vote of the members at an annual business meeting.

Annual dues are payable on October 1 for the subsequent calendar year. Members who have not paid will be notified and if they still have not paid will be dropped from the mailing and subscription lists on the first day of January. Prior to the following July 1, members will be reinstated upon payment of dues; if in arrears on that date, they will be dropped from membership. Members admitted prior to July 1 will be billed for dues for the current calendar year; members admitted after July 1 will begin paying dues and receiving privileges on the following January 1.

### ARTICLE IV

**Publications:** The Biophysical Society is empowered to publish or to enter into agreements with others to publish such journals and other publications (abstracts, reviews, newsletters, etc.) as may be authorized by a two-thirds majority vote of the Council and a two-thirds majority vote of the members at a subsequent annual business meeting. Changes in the agreements which implement the publishing of duly established journal or other organ may be authorized by a majority vote of the Council.

### ARTICLE V

**Duties of Officers:** It shall be the duty of the president to preside over the annual business meeting of the Society, to serve as chair of the Council, to appoint and charge, with the approval of Council, the chair and members of all committees of the Council, except the nominating committee, and to carry out other activities usually pertaining to

the office. The president-elect shall serve in the place of the president in his/her absence. The president-elect will automatically succeed to the presidency when the office becomes vacant.

The secretary of the Society shall carry out other duties that usually pertain to this office. The secretary-elect shall work closely with the incumbent to become familiar with the duties of the office. The treasurer of the Society is responsible for overseeing the Society's finances, including budget and reserves.

The treasurer-elect shall work closely with the incumbent to become familiar with the duties of the office.

#### ARTICLE VI

**Duties of the Council:** The duties of the Council shall be to determine the policies for the good of the Society and the science it represents in accordance with the Constitution and to implement the execution of these policies as provided in these Bylaws. It shall plan scientific meetings; it shall authorize the expenditure of Society funds; and it shall obtain an annual audit of the Society finances. The Council shall elect the nominating committee and name its chair. It shall elect a publications committee with six members and designate its chair. Publications Committee members shall serve for three years and terms shall be staggered so that two members of the committee retire at the end of each fiscal year. The publications committee shall be responsible for managing publications of the Society. It shall appoint all editors and editorial boards; such appointments shall be approved by Council. Editors chosen by the committee and approved by Council shall meet with Council and Publications Committee. The committee shall also secure approval of its budget from the Council.

The Council shall meet, at the call of the President, at least four times per year: first, after the annual business meeting, and again in the spring, in the fall, and at the start of the Annual Meeting. At the first meeting (New Council)

it shall elect the nominating committee and name its chair. Newly elected Council members and officers who have not yet taken office are expected to attend this meeting, but may not vote. A new Council may conduct business before, but its actions become effective only after, the newly elected members take office.

At the third and fourth regular meeting it shall consider changes in dues, amendments to the Constitution and Bylaws, and proposals for affiliation, and set the agenda for the business meeting.

The Council shall have power to conduct other business by means of mail vote.

#### ARTICLE VII

**Nominating Committee:** The nominating committee shall consist of at least five members of the Society, at least two of whom shall not be members of the Council. The immediate past president during the year following the election of the nominating committee shall be a member of the committee. The nominating committee shall be elected in accordance with Article VI of the Bylaws for a period of one year. It will be the responsibility of the nominating committee to prepare lists of nominees from the regular members as described in Article IX of the Bylaws and to ascertain the willingness of each nominee, if elected, to serve and to attend, without expense to the Society, the meetings of the Council held in conjunction with the Annual Meeting as specified in Article VI of the Bylaws. The nominating committee shall report its list of nominees to Council in the year following its election.

#### ARTICLE VIII

**Election and terms of Officers and of Council:** Nominations for offices to become vacant shall be made by the nominating committee. Nominations for secretary and treasurer shall be made one year prior to the end of the term of the incumbent. Nominations will also be received by petition. Each petition must be signed by 0.5% of the

regular members of the Society and must contain a written statement by the nominee that he/she is willing, if elected, to serve and to attend Council meetings as described in Article VI.

The final list of nominees arranged as a ballot shall be mailed to the members by June 15 and the ballots must be returned to the secretary before August 1. In order that the names of persons nominated by petition appear on the ballot, the petitions must be received by the secretary by October 1 the year before the election. The candidate for each office receiving the highest number of votes will be elected.

The election of Council members shall follow the same schedule as for the election of officers. The slate of the nominating committee shall contain at least five more names than the number of vacancies for both full and unexpired terms. Additional nominations to the Council may be made by petition. Each petition must be signed by 0.5% of the regular members of the Society and must contain a written statement of willingness, if elected, to serve and to attend Council meetings as described in Article VI. Those receiving the highest number of votes shall have priority for the longer terms among the vacancies.

With the exception of the treasurer and secretary, all officers and Council members shall take office at the end of the annual business meeting. The treasurer and secretary shall take office at the beginning of the fiscal year immediately following the election. However, all officers shall continue until relieved by their successors. The secretary-elect and treasurer-elect shall begin learning the duties of the offices immediately upon notice of election.

Interim vacancies on the Council (including those created by inability to serve and by election of a Council member to an office or as editor) shall be filled in the order of votes received by those on the slate but otherwise failing of election, at the last regular election. Interim vacancies in the offices of the treasurer or of secretary shall be filled by the Council until the completion of the

next regular election. An interim vacancy in the presidency shall be filled by advancement of the president-elect; however, in the event that there is no president-elect to advance, the Council shall elect one of its number as acting president to serve until completion of the next regular election.

#### ARTICLE IX

**Amendments to the Bylaws:** Amendments to the Bylaws shall be made according to the same procedure as amendments to the Constitution, except that a majority vote shall suffice for ratification.

#### ARTICLE X

The Council may upon petition by at least 100 regular members, form within the Society a Group of members charged with the advancement and dissemination of knowledge of a specific area of biophysics. Accompanying the petition shall be the bylaws of the proposed Group.

The senior officer of the Group shall be elected by the members constituting the Group, and will be known as Group Chair. This chair shall report the activities and needs of the Group to Council.

Council will consider on a yearly basis termination of any group not maintaining 50 regular members or not presenting a scientific program at the Annual Meeting.

#### ARTICLE XI

The Council may, upon petition by at least 50 regular members, form within the Society a Regional Chapter of members charged with the advancement and dissemination of knowledge of biophysics within that region. Accompanying the petition shall be the bylaws of the proposed Regional Chapter and a statement of its aims.

The senior officer of the Regional Chapter shall be elected by the members constituting the Chapter and shall be known as the Chapter Chair. This chair shall report the activities of the Chapter to the Council of the Society when and where they suggest. Any Regional Chapter may be dissolved at the discretion of the Council.



# Biophysical Society Membership Benefits

BPS members receive many intangible benefits, including representation through committee outreach and advocacy efforts for the field of biophysics and for its funding at NIH, NSF, DOE, and other agencies. The tangible benefits are many and in multiple areas including publications, meetings, career development, and funding opportunities, to name just a few.

## ***Biophysical Journal* (the #1 peer-reviewed journal in biophysics)**

- All members receive FREE access to *BJ* Online.
- Members who publish in *BJ* pay \$30-\$60 less PER PAGE than non-members.
- Members who publish in *BJ* receive free online color.
- Members receive reduced rates for print color.
- Members may subscribe to the print *BJ* for a substantially reduced rate.

## **Other Publications**

- Members receive the monthly Biophysical Society Newsletter.
- Members pay reduced rates for the Annual Reviews of Biophysics.
- Members can subscribe to Cell Press journals at a reduced rate. To view a complete listing of Cell Press journals and to submit your order, see the Cell Press Subscription Form.
- Members can subscribe to AIP journals, like *Physics Today* (\$25), at a reduced rate. In order to receive your discounted subscription, please call 1-800-344-6902, indicate that you are a member of an affiliate society (Biophysical Society) and supply them with your membership ID number.

## **Annual Meeting**

- Members pay significantly reduced registration rates.
- Only members may sponsor an abstract at the Annual Meeting.
- Members are eligible to apply for Travel Awards.

## **Thematic Meetings**

- Members pay reduced registration rates to most meetings.
- Members are eligible to receive funding for the development of thematic meetings.

## **Career Development**

- Free career focused webinars throughout the year for members only.
- Society members may post their resumes free-of-charge on the BPS online job board.
- Employers who are BPS members may post job openings on the Society's online job board for rates far lower than those paid by non-members.

## **Other**

- Members are eligible for eight prestigious Society Awards.
- Members are eligible for funds to support meetings they organize.
- Members are eligible to join subgroups and to create new subgroups in their areas of research.
- Members can receive free email updates from the Society's Public Affairs Department.
- Members are eligible to apply for funds to host a local networking event.
- Members are eligible to apply for the BPS Congressional Fellowship.
- Regular members are eligible to vote for BPS officers each year.