THE 2018
LASKER
MEDICAL RESEARCH
AWARDS

Nomination Packet

ALBERT AND MARY LASKER FOUNDATION

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November 1, 2017

Greetings:

On behalf of the Albert and Mary Lasker Foundation, I invite you to submit a nomination for the 2018 Lasker Medical Research Awards.

Since 1945, the Lasker Awards have recognized the contributions of scientists, physicians, and public citizens who have made major advances in the understanding, diagnosis, treatment, cure, and prevention of disease.

The Medical Research Awards will be offered in three categories in 2018: Basic Research, Clinical Research, and Special Achievement.

The Lasker Foundation seeks nominations of outstanding scientists; nominations of women and minorities are encouraged.
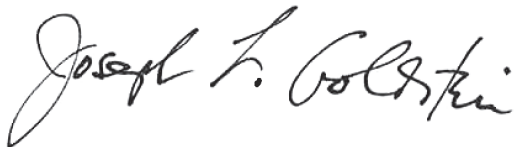
Nominations that have been made in previous years are not automatically reconsidered. Please see the Nomination Requirements section of this booklet for instructions on updating and resubmitting a nomination.

The Foundation accepts electronic submissions. For information on submitting an electronic nomination, please visit www.laskerfoundation.org.

Lasker Awards often presage future recognition of the Nobel committee, and they have become known popularly as "America's Nobels." Eighty-seven Lasker laureates have received the Nobel Prize, including 40 in the last three decades. Additional information on the Awards Program and on Lasker laureates can be found on our website, www.laskerfoundation.org.

A distinguished panel of jurors will select the scientists to be honored with Lasker Medical Research Awards. The 2018 Awards will be presented at a luncheon ceremony given by the Foundation in New York City on Friday, September 21, 2018.

Sincerely,

Joseph L. Goldstein, M.D.
Chair
Lasker Medical Research Awards Jury

THE 2018
LASKER
MEDICAL RESEARCH
AWARDS

ALBERT LASKER BASIC MEDICAL RESEARCH AWARD

For a fundamental discovery that opens up a new area of biomedical science.

LASKER~DEBAKEY CLINICAL MEDICAL RESEARCH AWARD

For a major advance that improves the lives of many thousands of people.

LASKER~KOSHLAND SPECIAL ACHIEVEMENT AWARD IN MEDICAL SCIENCE

For research accomplishments and scientific statesmanship that engender the deepest feelings of awe and respect.

Purpose and Description of the Awards

The purpose of these Awards is to honor individuals who have made significant contributions in basic or clinical research in diseases that are the main cause of death and disability. The Award winners may reside in any country of the world.

A list of previous recipients of the Lasker Awards in Basic Medical Research, Clinical Medical Research, and Special Achievement in Medical Science is included at the end of this booklet.

Each Award consists of an honorarium, a citation and an inscribed statuette of the Winged Victory of Samothrace, symbolizing victory over death and disease.

When the Award is given to more than one individual in a category, the honorarium will be divided among the winners, and each will receive a statuette and a citation. More than one scientist may be nominated if they have worked as a team, or if they independently have made comparable contributions in their field. No more than three individuals will be considered for an Award in the Basic or Clinical category.

The Jurors' evaluations of the contributions of the nominees depend heavily on the information supplied in the nomination forms. Therefore, the nomination should be accurate, detailed, current and complete. Supporting letters that specifically address the nominee's scientific accomplishments will be helpful to the Jury.

Nomination Requirements

1. **No more than three individuals will be considered for an Award in the Basic or Clinical category.** Nominators for the **Basic or Clinical Award** should provide the following:

   a. A short citation (*30 words or less*) that highlights the nominee(s)'s research worthy of a Lasker Award.

   b. A concise summary (*150 words or less*) of the nominee(s)'s scientific contributions to this research.

   c. A description of how the nominee(s)'s work represents a major advance in either basic or clinical sciences and how his or her original contributions led to this advance. (*Limit response to 2 pages or less*).

   d. A list of other scientist(s), in addition to your nominee(s), who should be considered for this award, and why. **Please Note:** The Jury considers this question a crucial one, and nominations without a complete response will be returned. (*Limit response to 1 page or less*).

2. **Special Achievement Awards** are intended to honor a single individual. Nominators for the **Special Achievement Award** should provide the following:

   a. A short citation (*30 words or less*) that highlights the nominee's career in research worthy of this Special Achievement Award.

   b. A description of the outstanding achievements of the individual and the reasons why he or she is deserving of Lasker recognition. (*Limit response to 2 pages or less*).

3. All nominations must include the following additional information:

   a. A brief one-page biography including major awards received by each nominee.

   b. A one-page list of six (6) peer reviewed journal references that substantiate the statements made in your nomination. **Do NOT submit reprints.**

4. No more than five (5) letters of support per nomination will be accepted. Letters in support of Basic nominations should address the nature of the nominee(s)'s discoveries, and how those discoveries have opened up a new area of biomedical science. Letters in support of Clinical nominations should address uniquely innovative contributions of the nominee(s) that have advanced patient care for many thousands of people. Letters of support can be either included in the nomination package or mailed separately.

5. Previous nominations and support letters are not automatically carried forward. If you wish to re-nominate a previous candidate, please update the earlier nomination and resubmit it by completing a 2018 nomination form. The 2018 nomination should contain all pertinent previously submitted material, including updated letters of support and any significant new developments.

6. **Nominations and all supporting materials must be received by the Foundation no later than February 5, 2018.**

Submitting a Nomination

Email your completed nomination packet, along with supporting materials (PDF or Word documents), to **dkeegan@laskerfoundation.org**

It is not necessary to send printed materials. However, if you prefer to submit a nomination by mail or courier, send to:

Lasker Medical Research Awards
Attention: David Keegan
405 Lexington Avenue, 32nd Floor
New York, NY 10174

Please note:
As an alternative to completing this nomination packet, you may securely submit an online nomination and all supporting materials.
To do so, please visit **www.laskerfoundation.org**

2018 LASKER MEDICAL RESEARCH AWARDS

Please check the appropriate Award.

_____ **BASIC MEDICAL RESEARCH AWARD** (no more than 3 nominees)

_____ **CLINICAL MEDICAL RESEARCH AWARD** (no more than 3 nominees)

_____ **SPECIAL ACHIEVEMENT AWARD IN MEDICAL SCIENCE** (1 nominee only)

Nominee

_____
NAME

_____
TITLE

_____
ORGANIZATION NAME AND ADDRESS

_____

_____

_____
TELEPHONE   FAX   E-MAIL

Nominee

_____
NAME

_____
TITLE

_____
ORGANIZATION NAME AND ADDRESS

_____

_____

_____
TELEPHONE   FAX   E-MAIL

Nominee

_____
NAME

_____
TITLE

_____
ORGANIZATION NAME AND ADDRESS

_____

_____

_____
TELEPHONE   FAX   E-MAIL

Nominator

_____
NAME

_____
TITLE

_____
ORGANIZATION NAME AND ADDRESS

_____

_____

_____
TELEPHONE   FAX   E-MAIL

NOMINATION FOR BASIC MEDICAL RESEARCH AWARD OR CLINICAL MEDICAL RESEARCH AWARD

Suggested citation for nominee(s)'s award (30 words or less).

For example:

"For the discovery of…"

or *"For the development of…"*

or *"For the pioneering studies of…"*

Summary of nominee(s)'s scientific contributions (150 words or less).

NOMINATION FOR BASIC MEDICAL RESEARCH AWARD OR CLINICAL MEDICAL RESEARCH AWARD

1. Why does the nominee(s)'s work represent a major advance in either the basic or clinical sciences and what are his or her original contributions that led to this advance?

NOMINATION FOR BASIC MEDICAL RESEARCH AWARD OR CLINICAL MEDICAL RESEARCH AWARD

2. List other scientist(s), in addition to your nominee(s), who should be considered for this award, and why. *Please Note:* The Jury considers this question a crucial one, and nominations without a complete response will be returned.

LIMIT RESPONSE TO THIS PAGE

NOMINATION FOR SPECIAL ACHIEVEMENT IN MEDICAL SCIENCE AWARD

Suggested citation for nominee(s)'s award (30 words or less).

For example: *"For the discovery of …"* or *"For the development of …"* or *"For the pioneering studies of …"*

Highlight the outstanding achievements of the individual whom you are nominating as well as the reason why he or she is deserving of recognition from the Lasker Foundation.

LIMIT RESPONSE TO THIS AND THE NEXT PAGE

THE LASKER AWARDS 1946–2017

Basic Research Awards

2017
Michael N. Hall

2016
William G. Kaelin, Jr.
Peter J. Ratcliffe
Gregg L. Semenza

2015
Stephen J. Elledge
Evelyn M. Witkin

2014
Kazutoshi Mori
Peter Walter

2013
Richard H. Scheller
Thomas C. Südhof *

2012
Michael Sheetz
James Spudich
Ronald Vale

2011
Franz-Ulrich Hartl
Arthur L. Horwich

2010
Douglas Coleman
Jeffrey M. Friedman

2009
John Gurdon *
Shinya Yamanaka *

2008
Victor R. Ambros
David C. Baulcombe
Gary B. Ruvkum

2007
Ralph M. Steinman *

2006
Elizabeth H. Blackburn *
Carol W. Greider *
Jack W. Szostak *

2005
Ernest A. McCulloch
James E. Till

2004
Pierre Chambon
Ronald M. Evans
Elwood V. Jensen

2003
Robert G. Roeder

2002
James E. Rothman *
Randy W. Schekman *

2001
Mario Capecchi *
Martin J. Evans *
Oliver Smithies *

2000
Aaron Ciechanover *
Avram Hershko *
Alexander Varshavsky

1999
Clay M. Armstrong
Bertil Hille
Roderick MacKinnon *

1998
Lee Hartwell *
Yoshio Masui
Paul Nurse *

1997
Mark S. Ptashne

1996
Robert F. Furchgott *
Ferid Murad *

1995
Peter C. Doherty *
Jack L. Strominger
Emil R. Unanue
Don C. Wiley
Rolf M. Zinkernagel *

1994
Stanley B. Prusiner *

1993
Günter Blobel *

1991
Edward B. Lewis *
Christiane Nüsslein-Volhard *

1989
Michael J. Berridge
Alfred G. Gilman *
Edwin G. Krebs *
Yasutomi Nishizuka

1988
Thomas R. Cech *
Phillip A. Sharp *

1987
Leroy Hood
Philip Leder
Susumu Tonegawa *

1986
Rita Levi-Montalcini *
Stanley Cohen *

1985
Michael S. Brown *
Joseph L. Goldstein *

1984
Michael Potter
Georges J. F. Köhler *
César Milstein *

1983
Eric R. Kandel *
Vernon B. Mountcastle

1982
J. Michael Bishop *
Raymond L. Erikson
Hidesaburo Hanafusa
Harold E. Varmus *
Robert C. Gallo

1981
Barbara McClintock *

1980
Paul Berg *
Herbert W. Boyer
Stanley N. Cohen
A. Dale Kaiser

1979
Walter Gilbert *
Frederick Sanger *
Roger Wolcott Sperry *

1978
Hans W. Kosterlitz
John Hughes
Solomon H. Snyder

1977
K. Sune D. Bergström *
Bengt Samuelsson *
John R. Vane *

1976
Rosalyn S. Yalow *

1975
Roger C. L. Guillemin *
Andrew V. Schally *
Frank J. Dixon
Henry G. Kunkel

1974
Ludwik Gross
Howard E. Skipper
Sol Spiegelman
Howard M. Temin *

1971
Seymour Benzer
Sydney Brenner *
Charles Yanofsky

1970
Earl W. Sutherland *

1969
Bruce Merrifield *

1968
Marshall W. Nirenberg *
H. Gobind Khorana *
William F. Windle

1967
Bernard B. Brodie

1966
George E. Palade *

1965
Robert W. Holley *

1964
Renato Dulbecco *
Harry Rubin

1963
Lyman C. Craig

1962
Choh H. Li

1960
M.H.F. Wilkins *
F.H.C. Crick *
James D. Watson *
James V. Neel
L.S. Penrose
Ernest Ruska *
James Hillier

1959
Albert Coons
Jules Freund

1958
Peyton Rous *
Theodore Puck
Alfred D. Hershey *
Gerhard Schramm
Heinz Fraenkel-Conrat
Irvine H. Page

1957
Isaac Starr

1956
Karl Meyer
Francis O. Schmitt

1955
Karl Paul Link
Carl J. Wiggers

1954
Edwin B. Astwood
John F. Enders *
Albert Szent-Gyorgyi **

1953
Hans A. Krebs *
Michael Heidelberger
George Wald *

1952
F. MacFarlane Burnet *

1951
Karl F. Meyer

1950
George Wells Beadle *

1949
André Cournand *
William S. Tillett
L.R. Christensen

1948
Vincent du Vigneaud *
Selman A. Waksman *
René J. Dubos

1947
Oswald T. Avery
Homer Smith

1946
Carl Ferdinand Cori *

Clinical Research Awards

2017
Douglas R. Lowy
John T. Schiller

2016
Ralf F.W. Bartenschlager
Charles M. Rice
Michael J. Sofia

2015
James P. Allison

2014
Alim Louis Benabid
Mahlon R. DeLong

2013
Graeme M. Clark
Ingeborg Hochmair
Blake S. Wilson

2012
Roy Calne
Thomas E. Starzl

2011
Tu Youyou *

2010
Napoleone Ferrara

2009
Brian J. Druker
Nicholas B. Lydon
Charles L. Sawyers

2008
Akira Endo

2007
Alain Carpentier
Albert Starr

2006
Aaron T. Beck

2005
Alec Jeffries
Edwin M. Southern

2004
Charles D. Kelman

2003
Marc Feldmann
Ravinder N. Maini

2002
Willem J. Kolff
Belding H. Scribner

2001
Robert G. Edwards *

2000
Harvey J. Alter
Michael Houghton

1999
David W. Cushman
Miguel A. Ondetti

1998
Alfred J. Knudson, Jr.
Peter C. Nowell
Janet D. Rowley

1997
Alfred Sommer

1996
Porter Warren Anderson, Jr.
David H. Smith
John B. Robbins
Rachel Schneerson

1995
Barry J. Marshall *

1994
John Allen Clements

1993
Donald Metcalf

1991
Yuet Wai Kan

1989
Etienne-Emile Baulieu

1988
Vincent P. Dole

1987
Mogens Schou

1986
Myron Essex
Robert C. Gallo
Luc Montagnier *

1985
Bernard Fisher

1984
Paul C. Lauterbur *

1983
F. Mason Sones, Jr.

1982
Roscoe O. Brady
Elizabeth F. Neufeld

1981
Louis Sokoloff

1980
Cyril A. Clarke
Ronald Finn
Vincent J. Freda
John G. Gorman
William Pollack

1978
Michael Heidelberger
Robert Austrian
Emil C. Gotschlich

1977
Inge G. Edler
C. Hellmuth Hertz

1976
Raymond P. Ahlquist
J. W. Black *

1975
Godfrey N. Hounsfield *
William Oldendorf

1974
John Charnley

1973
Paul M. Zoll
William B. Kouwenhoven

1972
Min Chiu Li
Roy Hertz
Denis Burkitt
Joseph H. Burchenal
V. Anomah Ngu
John L. Ziegler
Edmund Klein
Emil Frei III
Emil J. Freireich
James F. Holland
Donald Pinkel
Paul P. Carbone
Vincent T. DeVita, Jr.
Eugene J. Van Scott
Isaac Djerassi
C. Gordon Zubrod

1971
Edward D. Freis

1970
Robert A. Good

1969
George C. Cotzias

1968
John H. Gibbon, Jr.

1967
Robert Allan Phillips

1966
Sidney Farber

1965
Albert B. Sabin

1964
Nathan S. Kline

1963
Michael E. DeBakey
Charles Huggins *

1962
Joseph E. Smadel

1960
Karl Paul Link
Irving S. Wright
Edgar V. Allen

1959
John Holmes Dingle
Gilbert Dalldorf
Robert E. Gross

1958
Robert W. Wilkins

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* DENOTES NOBEL PRIZE WINNER

** NOBEL LAUREATE PRIOR TO LASKER AWARD

1957
Rustom Jal Vakil
Nathan S. Kline
Robert H. Noce
Henri Laborit
Pierre Deniker
Heinz E. Lehmann
Richard E. Shope

1956
Louis N. Katz
Jonas E. Salk
V. Everett Kinsey
Arnall Patz

1955
C. Walton Lillehei
Morley Cohen
Herbert E. Warden
Richard L. Varco
Edward H. Robitzek
Irving Selikoff
Walsh McDermott
Carl Muschenheim

1954
Alfred Blalock
Helen B. Taussig
Robert E. Gross

1953
Paul Dudley White

1952
Conrad A. Elvehjem
Frederick S. McKay
H. Trendley Dean

1951
Elise L'Esperance
Catherine Macfarlane
William G. Lennox
Frederic A. Gibbs

1950
George Papanicolaou

1949
Max Theiler *
Edward C. Kendall *
Philip S. Hench *

1947
Thomas Francis, Jr.

1946
John Friend Mahoney
Karl Landsteiner **
Alexander S. Wiener
Philip Levine

Special Achievement in Medical Science

2016
Bruce M. Alberts

2014
Mary-Claire King

2012
Donald D. Brown
Tom Maniatis

2010
David J. Weatherall

2008
Stanley Falkow

2006
Joseph G. Gall

2004
Matthew Meselson

2002
James E. Darnell. Jr.

2000
Sydney Brenner *

1999
Seymour S. Kety

1998
Daniel E. Koshland, Jr.

1997
Victor A. McKusick

1996
Paul C. Zamecnik

1994
Maclyn McCarty

Public Service Awards

2017
Planned Parenthood

2015
Médecins Sans Frontières **

2013
Bill Gates
Melinda Gates

2011
Clinical Center of the
National Institutes of Health

2009
Michael R. Bloomberg

2007
Anthony S. Fauci

2005
Nancy G. Brinker

2003
Christopher Reeve

2001
William H. Foege

2000
Betty Ford
Harold P. Freeman
David J. Mahoney
The Science Times of
    The New York Times
John Edward Porter

1995
Mark O. Hatfield

1993
Paul G. Rogers
Nancy S. Wexler

1991
Robin Chandler Duke
Thomas P. O'Neill, Jr.

1989
Lewis Thomas

1988
Lowell P. Weicker, Jr.

1986
Ma Haide (George Hatem)

1985
Lane W. Adams
Ann Landers (Eppie Lederer)

1984
Henry J. Heimlich

1983
Maurice R. Hilleman
Saul Krugman

1979
John Wilson

1978
Elliot L. Richardson
Theodore Cooper

1976
World Health Organization

1975
Jules Stein

1973
Warren Magnuson

1968
Lister Hill

1967
Claude Pepper

1966
Eunice Kennedy Shriver

1965
Lyndon Baines Johnson

1963
Melvin R. Laird
Oren Harris

1960
John B. Grant
Abel Wolman

1959
Maurice Pate

1958
Basil O'Connor

1957
Frank G. Boudreau
C.J. Van Slyke
Reginald M. Atwater

1956
William P. Shepard

1955
Robert D. Defries
Karl and William Menninger
Nursing Services of the
    U.S. Public Health Service
Pearl McIver
Margaret G. Arnstein

1954
Leona Baumgartner

1953
Felix J. Underwood
Earle B. Phelps

1952
G. Brock Chisholm
Howard A. Rusk

1951
Florence R. Sabin

1950
Eugene Lindsay Bishop

1949
Marion W. Sheahan

1948
R.E. Dyer
Martha M. Eliot

1947
Alice Hamilton

1946
Alfred Newton Richards
Fred L. Soper