

A stylized, light beige graphic of a hand holding a heart, positioned behind the text. The hand is on the left, with fingers slightly curled, and the heart is on the right, resting in the palm. The graphic is composed of smooth, rounded shapes.

THE 2021
LASKER
MEDICAL RESEARCH
AWARDS

Nomination Packet



November 1, 2020

Greetings:

The Lasker Awards were canceled in 2020 owing to the global pandemic. They will be given again in 2021. On behalf of the Foundation, I invite you to submit a nomination for the 2021 Lasker Medical Research Awards.

Since 1945, 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 2021: Basic Research, Clinical Research, and Special Achievement. All nominations that were accepted in 2020 will be considered for 2021; nominators may submit updated packets if appropriate, but resubmissions are not required. In addition, new nominations are welcome. The Lasker-Bloomberg Public Service Award will next be given in 2022; the Foundation is not currently accepting nominations in this category.

To submit your Medical Research Award nomination, please follow the instructions on the following pages. The Foundation also accepts electronic submissions. For information on submitting an electronic nomination, please visit www.laskerfoundation.org. The Lasker Foundation seeks nominations of outstanding scientists; nominations of women and minorities are encouraged.

Lasker Awards often presage future Nobel Prizes and they have become known popularly as "America's Nobels." Ninety-four Lasker Laureates have received the Nobel Prize, including six in the last two years.

A distinguished panel of jurors will select the scientists to be honored with Lasker Medical Research Awards. The 2021 Awards will be presented at a luncheon ceremony given by the Foundation in New York City on Friday, October 1, 2021.

Sincerely,

A handwritten signature in black ink that reads "Joseph L. Goldstein".

Joseph L. Goldstein, M.D.

Chair

Lasker Medical Research Awards Jury

THE 2021 LASKER MEDICAL RESEARCH AWARDS

Awards and Criteria

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 to basic or clinical research. 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 he or she has worked as a team, or if he or she independently made comparable contributions. 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

- 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:
 - A short citation (*30 words or less*) that highlights the nominee(s)'s research worthy of a Lasker Award.
 - A concise summary (*150 words or less*) of the nominee(s)'s scientific contributions to this research.
 - 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*).
 - 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*).
- Special Achievement Awards** are intended to honor a single individual. Nominators for the **Special Achievement Award** should provide:
 - A short citation (*30 words or less*) that highlights the nominee's career in research worthy of this Special Achievement Award.
 - 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*).
- All nominations must include the following additional information:
 - A brief one-page biography including major awards received by each nominee.
 - A list of six (6) peer reviewed journal references that substantiate the statements made in your nomination. **Do NOT submit reprints.**
- 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.
- All nominations that were accepted in 2020 will be considered for 2021; nominators may submit updated packets if appropriate, but resubmissions are not required. Nominations submitted previous to 2020 will not be automatically carried forward. If you wish to re-submit such a nomination, please do so by completing a 2021 nomination form with all pertinent previously submitted material, including updated letters of support and any significant new developments.
- Nominations and all supporting materials must be received by the Foundation no later than February 1, 2021.**

Submitting a Nomination

Submit an electronic nomination:
www.laskerfoundation.org

You can securely submit an electronic nomination and all supporting materials. You will be able to work on, save, and return to your nomination before making a final submission.

OR

Download a PDF nomination packet from
www.laskerfoundation.org

Completed packets and supporting materials may be emailed to dkeegan@laskerfoundation.org or sent to:

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

2021 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).

NOMINEES' NAME

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?**

LIMIT RESPONSE TO NO MORE THAN 2 PAGES

NOMINEES' NAME

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.**

NOMINEE'S NAME

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 NEXT 2 PAGES

NOMINEE'S NAME

NOMINEE'S NAME

THE LASKER AWARDS 1946–2019

Basic Research Awards

2019

Max D. Cooper
Jacques Miller

2018

C. David Allis
Michael Grunstein

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. Tilln

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

2019

H. Michael Shepard
Dennis J. Slamon
Axel Ullrich

2018

John B. Glen

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

* DENOTES NOBEL PRIZE WINNER

** NOBEL LAUREATE PRIOR TO LASKER AWARD

1957

Rustom Jal Wakil
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

2018

Joan Argetsinger Steitz

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

2019

Gavi, the Vaccine Alliance

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

* DENOTES NOBEL PRIZE WINNER

** NOBEL LAUREATE PRIOR TO LASKER AWARD

CELEBRATING **75** YEARS



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FOUNDATION

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