

## CURRICULUM VITAE

### Richard Alan Lerner, M.D.

Date of Birth: August 26, 1938  
Place of Birth: Chicago, Illinois  
Nationality: American  
Marital Status: Married  
Home Address: 7750 E. Roseland Drive  
La Jolla, CA 92037  
Business Address: The Scripps Research Institute  
10550 N. Torrey Pines Road  
La Jolla, CA 92037  
Business Telephone: (858) 784-8265  
Business Fax: (858) 784-2791  
Email: rlerner@scripps.edu

Education: Northwestern University, 1956-1959  
Stanford University Medical School, B.S., M.D. 1959-1964  
Internship, Palo Alto Stanford Hospital, 1964-1965

#### Professional Positions

1965 Research Fellow, Department of Experimental Pathology, Scripps Clinic and Research Foundation, La Jolla, California  
1968 Associate, Wistar Institute, Philadelphia, Pennsylvania  
1970 Associate, Department of Experimental Pathology, Scripps Clinic and Research Foundation, La Jolla, California  
1972 Associate Member, Department of Experimental Pathology, Scripps Clinic and Research Foundation, La Jolla, California  
1974 Member, Department of Immunopathology, Scripps Clinic and Research Foundation, La Jolla, California  
1977 Member, Department of Cellular and Developmental Immunology, research Institute of Scripps Clinic, La Jolla, California  
1980 Head, Committee for the Study of Molecular Genetics and Member, Department of Immunopathology, Research Institute of Scripps Clinic, La Jolla, California  
1982 Member, Department of Molecular Biology, Research Institute of Scripps Clinic, La Jolla, California  
1982 Chairman, Department of Molecular Biology, Research Institute of Scripps Clinic, La Jolla, California  
1988 Professor, Department of Chemistry, Research Institute of Scripps Clinic, La Jolla, California  
1987 Director, Research Institute of Scripps Clinic, La Jolla, California  
1991 President, The Scripps Research Institute, La Jolla, California  
1996 Member, Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, California  
2012 Institute Professor, The Scripps Research Institute, La Jolla, California

## SOCIETIES AND BOARDS

Member Phi Eta Sigma  
Member Alpha Omega Alpha  
Member American Society of Nephrology  
Member American Association of Immunologists  
Member American Society for Experimental Pathology  
Member American Society of Microbiology  
Member New York Academy of Sciences  
Member Biophysical Society  
Chairman, International Symposium on the Molecular Basis of Cell-Cell Interaction (1977)  
Consultant, Special Virus Cancer Program, National Cancer Institute  
Ad hoc Member of Molecular Biology Study Section  
Member Pluto Society  
Fellowship Screening Committee of the California Division, ACS  
Charter Member, American Society for Virology  
Member Institute of Medicine Ad hoc Committee of New Research Opportunities in Immunology, National Academy of Sciences  
Member Organizing Committee for "Modern Approaches to Vaccines", Cold Spring Harbor (1983)  
Member Cancer Preclinical Program Project Review Committee, National Cancer Institute  
Member Scientific Policy Advisory Committee, Uppsala University, Uppsala Sweden (1991)  
Member Scientific Advisory Board Economic Development Board, Singapore (1991)  
Member National Academy of Sciences, USA (1991)  
Trustee, The Neurosciences Research Foundation, Inc. (1992)  
Member Advisory Board Chemical and Engineering News, Washington, DC (1994-1996)  
Member ETH Institute of Biotechnology Advisory Board, Zurich Switzerland (1994)  
Member Stanford Linear Accelerator Center Scientific Policy Committee, Stanford, CA (1995-1998)  
Member Center for Nanoscale Science and Technology Scientific Advisory Board, Houston, Texas (1996)  
Member College of Chemistry Advisory Board, University of California, Berkeley, Berkeley, CA (1996)  
Member California Council on Science and Technology Board of Directors, Newport Beach, CA (1996-1997)  
Member, Advisor Steering Group for Chemistry, California State University, Los Angeles, Los Angeles, CA (1996)  
Member, Editorial Advisory Board for the American Peptide Society Journal, Tucson, Arizona (1997)  
Member, Academic Committee of the Board of Governors of Technion-Israel Institute of Technology, Haifa, Israel (1998)  
Member, Editorial Advisory Board for Accounts of Chemical Research Journal, Los Angeles, CA (1998-2001)  
Member, International Board of Governors, The Peres Center for Peace, Tel Aviv, Israel (1998)  
Chairman, Governor's Council on Bioscience, Governor Gray Davis, Sacramento, CA (1999)  
Member, The U.S. Department of Energy Biological and Environmental Research Advisory Committee, Washington, DC (1999).  
Member, American Academy of Arts and Sciences, Cambridge, MA (2000)  
Member, Biomedical Science Advisory Board, Vanderbilt University (2010)

## AWARDS and PRIZES

1970	NIH AID Career Development Award
1978	Parke Davis Award
1985	Elected Foreign Member, The Royal Swedish Academy of Sciences
1986	Recipient of Lita Annenberg Hazen Professor of Immunochemistry
1986	Decorated as oficial de La Orden de San Carlos by the President of Colombia
1989	Cecil H. and Ida M. Green Chair in Chemistry
1990	John A. Muntz Memorial Prize, Albany Medical College, New York
1990	San Marino Prize, Republic of San Marino
1990	The Burroughs Wellcome Fund and the FASEB Wellcome Visiting Professor Award in Basic Medical Science
1991	The College De France Lectureship, College De France, Paris
1991	Arthur C. Cope Scholar Award in Chemistry, Washington, D.C.
1992	CIBA-Geigy Drew Prize in Chemical Science, Drew University, Madison, New Jersey
1993	Hyp J. Dauben Award in Chemistry, University of Washington, Seattle, Washington
1994	Humboldt Research Award, Bonn Germany
1994/95	The Wolf Prize in Chemistry
1996	California Scientist of the Year Award
1999	William B Coley Award for Distinguished Research in Basic and Tumor Immunology, Cancer Research Institute, New York, NY
1999	Windaus-Medal/Award, Georg-August-Universität Göttingen, Göttingen Germany
2002	Scientist of the Year Award, ARCS Foundation, Inc., San Diego, CA
2002	President's Medal, University of California
2003	Paul Ehrlich-and Ludwig Darmstaedter Prize, Frankfurt, Germany
2005	AAAS Fellow
2005	DART/NYU Biotechnology Achievement Award in Basic Biotechnology, New York, NY
2006	Distinguished Visiting Scientist at IBM T.J. Watson Research Center, New York
2009	Ulysses Medal, University College Dublin, Belfield, Dublin Ireland
2011	Elected Associate Member of the Exeter Senior Common Room, Exeter College, Oxford University, Oxford, UK
2011	Courage in Innovation Award, Oxbridge Biotech and Nature Biotech, London, UK
2012	Prince of Asturias Award for Scientific and Technical Research, Spain
2014	Honorary Fellow of the Chinese Chemical Society, Beijing China

## HONORARY DOCTORATES

1990	Honorary Doctorate of Medicine, Karolinska Institute
2001	Honorary Doctorate of Science Award Doctor Scientiarum Honoris Causa, Technion-Israel Institute of Technology, Technion City, Haifa, Israel
2002	Doctor of Science, Northwestern University, Evanston, IL

- 2003 Honorary Doctorate Degree, Ben-Gurion University of the Negev, Beer-Sheva, Israel
- 2004 Honorary Doctorate in Humane Letters from Florida Atlantic University, Boca Raton, Florida
- 2007 Honorary Degree of Doctor of Science, *honoris causa*, Oxford University, Oxford, United Kingdom
- 2009 Honorary Degree of Doctor of Science, *honoris causa*, University College Dublin, Belfield, Dublin Ireland
- 2010 Honorary Degree of Doctor of Science, University of Warwick, Coventry, United Kingdom
- 2011 Honorary Degree of Doctor of Science *Honoris Causa*, The Scripps Research Institute, La Jolla, CA

### LECTURESHIPS

- 1984 Casper Wistar Lecture, The Wistar Institute, Pennsylvania.
- 1986 Fourteenth Peter Anthony Leermakers Symposium, Wesleyan University, Connecticut.
- 1988 The Thirteenth Annual B.R. Baker Memorial Lecture University of California, Santa Barbara, California.
- 1988 Allied Corporation Lecture, Rutgers University, New Jersey.
- 1988 10th Annual Jim Mc Ginnis Memorial Lecture, Duke University, North Carolina.
- 1988 Selected to give the address on the occasion of Michael Heidelberger's 100th Birthday, New York University, N.Y.
- 1988 Clark Lecture, San Jose State University, California.
- 1988 Dow Chemical Matrix Lecture, Midland, Michigan.
- 1988 Abbott Lecture, Brandeis University, Waltham, Massachusetts.
- 1989 Rennebohm Lecture, University of Wisconsin, Wisconsin.
- 1989 Mobay Lecture, University of Pittsburgh, Pittsburgh, PA.
- 1989 Spink Lecture, University of Minnesota, Minnesota.
- 1990 Smith Kline Lecture, Yale University, Connecticut.
- 1990 The John A. Muntz Lecture, Albany Medical College, Albany, N.Y.
- 1990 The First Josef Fried Symposium, University of Chicago, Illinois.
- 1991 Wallace P. Rowe Symposium, National Institute of Health, Bethesda, Maryland.
- 1991 The Mabel Beckman Lectures in Technologies, Stanford University, Stanford, California.
- 1991 Bruce Merrifield's 70th Birthday Symposium, Rockefeller University, New York, NY.
- 1991 Lilly Symposium, New York, NY.
- 1991 Peter Reichard Symposium, Stockholm Sweden.
- 1991 John G. Reinhold Lecture, University of Pennsylvania, Pennsylvania.
- 1991 The Tenth Annual Jeanette Piperno Memorial Award, Temple University, Philadelphia, Pennsylvania.
- 1992 Schering Lectures, Schering, Berlin, West Germany.
- 1992 Biomega Lectures in Organic Chemistry, McGill University, Montreal, Quebec, Canada.
- 1992 Seventh Annual William S. Johnson Symposium in Organic Chemistry, Stanford University, Stanford California.

- 1992 Sixteenth Annual CIBA-GEIGY Drew Award in Biomedical Research, Drew University, Madison, New Jersey.
- 1993 The John Howard Appleton Lecture in Chemistry, Brown University, Providence, Rhode Island.
- 1993 August-Wilhelm-von-Hofmann-Lecture, Gesellschaft Deutscher Chemiker, Germany.
- 1994 Lemieux Lecture, University of Alberta, Edmonton, Canada.
- 1995 Bender Lectureship in Chemistry, Northwestern University, Evanston, Illinois.
- 1995 Alfred Burger Lecturer in Chemistry, University of Virginia, Charlottesville, Virginia.
- 1996 Ephraim Katzir's 80th Birthday Symposium, The Israel Academy of Sciences and Humanities, Jerusalem, Israel
- 1996 Falk-Plaut Lecture, Columbia University, New York, NY.
- 1996 Debye Lectures, Cornell University, New York, NY.
- 1996 Harvey Lecture, The Rockefeller University, New York, NY.
- 1996 Honors Program Lecture, New York University School of Medicine, New York, NY.
- 1997 The Twelfth Biennial Carl S. Marvel Symposium, University of Arizona, Tucson, AZ.
- 1997 John and Dolores Stille Science Symposium, Colorado State University, Fort Collins, Colorado.
- 1997 Roma Eisenstark Memorial Lecture in Cancer Research, University of Missouri-Columbia, Columbia, MO.
- 1997 Arrhenius Lecture in Chemistry, Stockholm University, Stockholm, Sweden.
- 1998 Zeneca Pharmaceuticals Distinguished Lecturer in Chemistry, Wilmington, Delaware.
- 1999 Twenty-Seventh Annual Verna and Marrs McLean Science and Society Lecture in Biochemistry, Baylor College of Medicine, Houston, Texas.
- 1999 21<sup>st</sup> Oliver H. Lowry Lecture, Washington University School of Medicine, St. Louis, Missouri.
- 1999 Adolf-Windaus-Gedächtnis-Lecture, Georg-August-Universität Göttingen, Göttingen Germany.
- 2000 Rodney Porter Memorial Lecture, University of Oxford, Oxford, UK.
- 2000 Beverly and Raymond Sackler Lecture, Memorial Sloan-Kettering Cancer Center, New York, NY.
- 2000 Sumner Lecture, Cornell University, Ithaca, NY.
- 2001 18<sup>th</sup> Herbert C. Brown Lecture, Purdue University, West Lafayette, IN.
- 2001 Linus Pauling Lecture at the Centennial Celebration, California Institute of Technology, Pasadena, California.
- 2003 Richard L. Schowen Lecture in Bioorganic Chemistry, University of Kansas, Lawrence, KS.
- 2004 S. Jon Singer Plenary Lecture, Salk Institute, La Jolla CA
- 2006 The Robert A. Good Lecture in Immunochemistry, St. Petersburg, FL
- 2007 35<sup>th</sup> John Stauffer Lecture in Science, Department of Chemistry, University of Southern California, Los Angeles, CA
- 2008 Jesse W. Beams Memorial Lecture in Biophysics, University of Virginia, Charlottesville, VA
- 2008 K.T. Wang Bioorganic Chemistry Lectureship, Taipei, Taiwan

2009 Ulysses Lecture, University College Dublin, Belfield, Dublin Ireland  
2017 Eschenmoser Lecture, ETH Zurich

Editorial Boards:

Vaccine

Bioorganic and Medicinal Chemistry Letters

Drug Targeting and Delivery

Bioorganic and Medicinal Chemistry

Angewandte Chemie