

WILLIAM R. ROUSH
BIOGRAPHICAL DATA

BORN: Chula Vista, California, February 20, 1952

EDUCATION:

B. S., University of California, Los Angeles	1974
Ph. D., Harvard University	1977
Postdoctoral, Harvard University	1977-1978

ACADEMIC POSITIONS:

Assistant Professor of Chemistry, M.I.T.	1978-1983
Associate Professor of Chemistry, M.I.T.	1983-1987
Associate Professor of Chemistry, Indiana University	1987-1989
Professor of Chemistry, Indiana University	1989-1995
Distinguished Professor of Chemistry, Indiana University	1995-1997
Warner Lambert/Parke-Davis Professor of Chemistry, Univ. of Michigan	1997-2005
Chair, Department of Chemistry, University of Michigan	2002-2004
Adjunct Professor of Chemistry, University of Michigan	2005-2007
Professor of Chemistry, Scripps Research Institute (Florida)	2005-present
Executive Director of Medicinal Chemistry, Scripps Research Institute (FL)	2005-present
Associate Dean of the Graduate Program, Scripps Research Institute (FL)	2005-present

OTHER APPOINTMENTS:

BioInformation Associates, Principal and Consultant	1981-2001
Genzyme Corporation, Consultant	1983-1997
Genzyme Corporation, Pharmaceuticals Division Board Member	1994-1997
NIH Medicinal Chemistry Study Section, Ad Hoc Member	1984-1988
Special NIH Study Sections, Ad Hoc Member	1984-1988
Chemtracts, Expert Analyst	1986-1999
Secretary-Treasurer, ACS Division of Organic Chemistry	1990-1993
Chairman, ACS Division of Organic Chemistry	1995
Alternate Councilor, ACS Division of Organic Chemistry	1999-2002
NIH Medicinal Chemistry Study Section, Member	1990-1993
Chairman, NIH Medicinal Chemistry Study Section	1993-1995
NIGMS Council, Ad-Hoc Member	1998
Editorial Board, <i>Organic Reactions</i>	1991-2002
Board of Directors, <i>Organic Reactions</i>	1995-present
Eli Lilly and Company, Consultant	1991-present
Editorial Board, <i>Encyclopedia of Reagents for Organic Synthesis</i>	1992-2002
Editorial Board, <i>Organic Syntheses</i>	1993-2002
Board of Directors, <i>Organic Syntheses</i>	2003-present
ArQule, Scientific Advisory Board Member	1994-2003
Consultant, NeXstar Pharmaceuticals, Inc.	1994-1998
Organizing Committee, NSF Workshop on Organic Synthesis and Natural Products Chemistry	1995-1997
Consultant, Proscript, Inc.	1996-1998
Consulting Editorial Board, <i>Tetrahedron</i>	1996-2002
Consultant, Parke Davis	1998-2001
Consultant, Pfizer	2001-2013

Associate Editor, <i>Journal of the American Chemical Society</i>	1999-present
Editorial Advisory Board, <i>Organic Letters</i>	1999-present
Steering Committee, Challenges for the Chemical Sciences in the 21st Century, National Research Council	2000-2002
Invenux, Inc., Scientific Advisory Board Member	2001-2003
Consultant, GMP-Immunotherapeutics	2004-2005
Member, AAAS Nomination Selection Committee	2005-2007
Editorial Advisory Board, <i>Chemical Biology & Drug Design</i>	2005-2010
Editorial Advisory Board, <i>Beilstein Journal of Organic Chemistry</i>	2005-2010
Lycera, Scientific Advisory Board	2006-present
Editorial Advisory Board, <i>Accounts of Chemical Research</i>	2007-2009
Consultant, Heartland Sweeteners, LLC	2008-2009
Scientific Advisory Board, Sandler Center for Basic Research In Parasitic Diseases, University of California, San Francisco	2008-2012
Scientific Advisory Board, Center for Discovery and Innovation in Parasitic Diseases, University of California, San Francisco	2012-present

HONORS AND AWARDS:

B.S. in Chemistry, Summa Cum Laude	1974
Phi Beta Kappa	1974
Merck Faculty Development Award	1981
Eli Lilly Grantee	1981-1983
Roger and Georges Firmenich Career Development Chair in Natural Products Chemistry (MIT)	1981-1984
Fellow of the Alfred P. Sloan Foundation	1982-1986
Alan R. Day Award of the Philadelphia Organic Chemist's Club	1992
Arthur C. Cope Scholar Award, American Chemical Society	1994
ACS Akron Section Award	1996
Merit Award, National Institute of General Medical Sciences	1998
Distinguished Faculty Achievement Award, University of Michigan	1999
Paul G. Gassman Distinguished Service Award, ACS Division of Organic Chemistry	2002
ACS Ernest Guenther Award in the Chemistry of Natural Products	2004
Fellow, American Association for the Advancement of Science	2006
Fellow, American Chemical Society	2009

NAMED LECTURESHIPS

Glaxo Lecturer, University of North Carolina	March, 1992
Burkett Lecturer, DuPauw University	February, 1993
Bristol-Myers Squibb Lecturer, Syracuse University	November, 1993
Abbott Lecturer, University of California at Berkeley	January, 1994
Syntex Lecturer, University of Colorado	April, 1994
J. Clarence Karcher Lecturer, University of Oklahoma	March, 1995
Warner Lambert Lecturer, Ohio State University	April, 1995
SmithKline-Beecham Lecturer, University of Puerto Rico	April, 1995
Wyeth-Ayerst/Penn Lecturer, University of Pennsylvania	April, 1995
Convention Intercantonale Romande pour l'Enseignement du 3ème Cycle en Chimie (Switzerland)	May, 1996
Bristol Myers Squibb Lecturer, Columbia University	April, 1999
Merck Lecturer, Swarthmore College	April, 1999

Bristol Myers Squibb Lecturer, MIT	February, 2000
Closs Lecturer, University of Chicago	April, 2000
Bristol Myers Squibb Lecturer, Harvard University	April, 2000
Organic Synthesis Lecturer, UC Irvine	May, 2000
Organic Syntheses Distinguished Lecturer, Notre Dame	October, 2000
Abbott Distinguished Lecturer, Abbott	November, 2000
Novartis Lecturer, University of Texas, Austin	March, 2001
Lilly Lecturer, University of Minnesota	March, 2001
Frontiers in Chemistry Lecturer, Case Western Reserve	April, 2001
American Cyanamid Lecturer, Bryn Mawr	November, 2001
Bristol Myers Squibb Lecturer, Scripps Research Institute	December, 2001
Ritchie Memorial Lecturer, Sydney Univ. Chemical Society, Sydney, Australia	July, 2002
Boehringer-Ingelheim Lecturer, Université de Sherbrooke	November, 2002
Bristol Myers Squibb Lecturer, University of Illinois	November, 2002
Merck Lecturer, French Organic Chemical Society, Paris	March, 2003
Oppolzer Lecturer, University of Geneva	October, 2003
Servier Lecturer, Université de Montreal	November, 2003
Pfizer Lecturer, University of Ottawa	March, 2004
Pfizer Lectureship, Guelph-Waterloo Centre	June, 2004
Roche Lecturer, University of Colorado, Boulder	January, 2005
Gary Griffin Memorial Lecture, Univ. of New Orleans	February, 2005
Pfizer Lecturer, Harvard University	March, 2005
Boehringer Ingelheim Lecturer, University of Alberta	September, 2005
Wyeth Lecturer, Princeton University	December, 2005
AstraZeneca Lecture, University of British Columbia	February, 2006
Bayer Lecture, University of Pennsylvania	October, 2006
Merck Frosst Distinguished Lectureship, Queen's University	December, 2006
GlaxoSmithKline Lecturer, 6 th Bristol Synthesis Meeting	April, 2007
Donald Cram Lecturer, UCLA	November, 2007
Ernst Schering Lecture, Berlin	December, 2007
Robert Murray Lecture, University of Missouri	March, 2008
Mack Award Lecture, Ohio State University	April, 2008
Ireland Lecture, University of Virginia	October, 2008
Robert A. Welch Lecture, Texas A&M University	January, 2009
Robert A. Welch Lecture, Sam Houston State University	January, 2009
Robert A. Welch Lecture, Texas Women's University	January, 2009
Molecular Basis of Disease Distinguished Lecturer, Georgia State University	January, 2014
Organic Chemistry Frontiers Lecture, University of Hong Kong	January, 2014
Eastman Lecture, University of California, Santa Barbara	April, 2014
Regent Beth Fitzsimmons Lectureship, Eastern Michigan Univ.	June, 2015

INVITED PARTICIPATION IN SYMPOSIA AND CONFERENCES:

Lecturer, Symposium on Synthetic Methods and Processes, M.I.T.	1981
Lecturer, Frontiers in Organic Synthesis Symposium, U. Vermont	1982
Lecturer, Thirteenth Annual NSF Workshop on Organic Synthesis and Natural Products Chemistry	1982
Conference on Yellow Rain, American Academy of Arts and Sciences, Cambridge, MA	1983

Lecturer, Advances in Applied Enzymology Symposium, M.I.T.	1983
Discussion Leader, Gordon Research Conference on Trichothecenes, Plymouth, NH	1983
Lecturer, Eli Lilly Organic Synthesis Symposium, Indianapolis, IN	1983
Lecturer, Federation of American Societies for Experimental Biology Conference on Trichothecenes, VT	1984
Lecturer, Spring Synthesis Symposium, Carleton University, Canada	1985
Lecturer, Gordon Research Conference on Trichothecenes and Fusarium Mycotoxins, Colby-Sawyer College, NH	1985
Lecturer, Gordon Research Conference on Carbohydrates, Tilton, NH	1985
Lecturer, ACS Symposium on Natural Products Synthesis (Metrochem '85), New York	1985
Lecturer, Ninth International Symposium on "Synthesis in Organic Chemistry", Oxford, England	1985
Lecturer, VPI Symposium on Latest Trends in Organic Synthesis, Blacksburg, VA	1986
Lecturer, Gordon Conference on Stereochemistry	1986
Lecturer, Federation of American Societies for Experimental Biology Conference on Trichothecene Mycotoxicosis, Colorado	1986
Lecturer, Molecular Recognition in Organic Synthesis Symposium, Ohio State University	1987
Keynote Lecturer, 25th Annual MIKIW Meeting, Lawrence, KA	1987
Lecturer, Symposium on "Asymmetric Synthesis of Carbohydrates from Acyclic Precursors," 194th National ACS Meeting, New Orleans	1987
Lecturer, Indiana University Chemistry Addition Dedication Symposium	1988
Lecturer, Philadelphia and Wilmington Organic Chemists Club 20th Biennial Symposium	1988
Lecturer, Symposium on Natural Products Synthesis, Southeast Regional ACS Meeting, Corpus Christi, TX	1988
Lecturer, Award Symposium for the 1990 ACS Award for Creative Work in Synthetic Organic Chemistry received by Clayton Heathcock, Boston ACS Meeting	1990
Lecturer, Symposium on Natural Products Synthesis, 23rd Great Lakes Regional ACS Meeting, DeKalb, IL	1990
Lecturer, U.S.-England NSF-SERC Workshop on Organic Synthesis, Pingree Park, Colorado	1990
Lecturer, "Organometallic Reagents in Carbohydrate Synthesis" Symposium, 1991 ACS Meeting in Atlanta	1991
Lecturer, "Current Methods for Enantioselective Synthesis," sponsored by Monsanto Company, St. Louis	1991
Lecturer, "Synthesis of Natural Products" Symposium, 24th Great Lakes Regional ACS Meeting, Indianapolis	1991
Lecturer, Gordon Conference on Reactions and Processes	1991
Lecturer, Symposium on Heterocycles in Asymmetric Synthesis, 13th International Congress of Heterocyclic Chemistry, Corvallis	1991
Lecturer, Symposium on Natural Products Synthesis, SERMACS North Carolina	1991
Lecturer, Symposium on Asymmetric Processes, Royal Society of Chemistry Perkin Division Congress, Manchester, England	1992
Lecturer, 1992 Nozaki Conference, Yokohama, Japan	1992
Lecturer, XVIth International Carbohydrate Symposium, Paris, France	1992
Award Lecture, 1992 Alan R. Day Award given by the	

Philadelphia Organic Chemist's Club	1992
Lecturer, VIIIth International Meeting on Boron Chemistry, Knoxville, TN	1993
Lecturer, 3rd Max Tschler Memorial Lecture Meeting, Kitasato Institute, Tokyo, Japan	1993
Lecturer, Award Symposium for the 1994 ACS Award for Creative Work in Synthetic Organic Chemistry received by Stuart Schreiber, San Diego National ACS Meeting	1994
Lecturer, Stereochemistry Gordon Conference, Newport, R.I.	1994
Award Lecture, 1994 Arthur C. Cope Award Symposium, Washington D.C. National ACS Meeting	1994
Lecturer, Symposium on Total Synthesis of Natural Products, 78th Canadian Society of Chemistry Conference, Guelph, Ontario	1995
Lecturer, Fifth International Meeting of the French-American Chemical Society, Bordeaux, France	1995
Lecturer, NSF Workshop on Organic Synthesis and Natural Products Chemistry, Tomales Bay, CA	1995
Lecturer, Princeton ACS Organic Chemistry Symposium	1995
Lecturer, Gulf Coast Chemistry Conference, Pensacola Beach, FL	1995
Lecturer, Symposium on Organometallics in Organic Transformations Synthesis and Asymmetric Catalysis, Pacific Basin Chemical Congress, Hawaii	1995
Lecturer, Symposium on Recent Advances in Organic Synthesis, University of Montreal	1996
Lecturer, NSF Workshop on Organic Synthesis and Natural Products Chemistry, Minary Conference Center, Squam Lake, NH	1996
Lecturer, Natural Products Gordon Conference	1996
Lecturer, Second Annual Procter & Gamble Pharmaceuticals Colloquium on Organic Synthesis	1996
Lecturer, 7th Brazilian Meeting on Organic Synthesis, Rio de Janeiro	1996
Lecturer, Lexington, KY, ACS Section Meeting	1997
Lecturer, Award Symposium for the 1997 ACS Hudson Award in Carbohydrate Chemistry, received by Samuel Danishefsky, San Francisco National ACS Meeting	1997
Lecturer, Symposium on the Art of Organic Synthesis, 80th Canadian Society of Chemistry Conference, Windsor, Ontario	1997
Lecturer, NSF Workshop on Organic Synthesis and Natural Products Chemistry, Tomales Bay, CA	1997
Lecturer, University of Colorado-Syntex/Roche Symposium on Organic Synthesis, Boulder, CO	1998
Lecturer, Natural Products Gordon Conference, New England College, NH	1998
Lecturer, Heterocycles Gordon Conference, Salve Regina University, RI	1998
Lecturer, Chemistry as a Life Science Symposium X - 2000, Rutgers	2000
Lecturer, Novartis Lectureship Series	2000
Lecturer, Award Symposium for the 2000 ACS Ernest Guenther Award received by Pierre Potier, San Francisco National ACS Meeting	2000
Plenary Lecturer, Symposium on Organic Synthesis, Hope College	2000
Lecturer, AstraZeneca Excellence in Chemistry Award Symposium	2000
Lecturer, Advances in Asymmetric Synthesis Symposium, 2000 International Chemical Congress of Pacific Basin Societies Meeting, Honolulu, Hawaii	2000
Lecturer, 2nd Annual Connecticut Organic Chemistry Symposium	2001
Lecturer, 2nd Spring Organic Chemistry Symposium, North Jersey ACS	2001

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