

BARRY MARTIN TROST

Biographical Data

Birthplace & Date: Philadelphia, PA; June 13, 1941

Marital Status: Married; wife Susan, sons Aaron, Carey

Education: Undergraduate - B.A. University of Pennsylvania, 1962
Philadelphia Board of Education Scholarship 1959-62
Graduate - Ph.D. Massachusetts Institute of Technology, 1965
Thesis Advisor: H.O. House
Thesis Title: The Structure and Reactivity of Enolate Anions.
National Science Foundation Predoctoral Fellow 1963-65

Appointments: Stanford University :
Professor of Chemistry, 1987.
Job and Gertrud Tamaki Professor in the School of Humanities and Sciences, 1990
Chair, 1996 - 2002

Appointments: University of Wisconsin:
Assistant Professor of Chemistry, 1965
Associate Professor of Chemistry, 1968
Professor of Chemistry, 1969
Evan P. and Marion Helfaer Professor of Chemistry, 1976
Chairman, 1980-82
Vilas Research Professor of Chemistry, 1982

Appointments: Visiting Professor of Chemistry:
University of Marburg, West Germany, 1972
University of Copenhagen, Denmark, 1979
University of Hamburg, West Germany, 1985
Université Pierre et Marie Curie (Paris VI), France, 1986
Universitat de Barcelona, Spain, 1987
University of München, West Germany, 1988
University of Paris-Orsay, 1990
University of Pisa, Italy, 1992
Universidade De Santiago De Compostela, Spain, 2002
University of Cambridge, UK, 2002
University of Chicago, 2003
Honorary Professor:
Shanghai Institute of Organic Chemistry, 2006

Awards and Honors: Alfred P. Sloan Foundation Fellow 1967-69,
Camille and Henry Dreyfus Teacher-Scholar 1970-75
H.I. Romnes Faculty Fellowship, 1975
American-Swiss Foundation Fellow, 1975
ACS Award in Pure Chemistry, 1977
ACS Award for Creative Work in Synthetic Organic Chemistry, 1981
Elected Fellow of American Association for the Advancement of Science, 1977
Elected to the National Academy of Sciences, 1980
Baekeland Award, 1981

Julius Stieglitz Memorial Lecturer of ACS-Chicago Section, 1980-81
Centenary Lecturer, Royal Society of Chemistry (UK), 1981-82
Elected Fellow of American Academy of Arts and Sciences, 1982
First Allan R. Day Award of Philadelphia Organic Chemist's Club, 1983
Chemical Pioneer of the American Institute of Chemists, 1983
Medal of the University of Helsinki, 1983
Alexander von Humboldt Stiftung Award, 1984
Kentucky Colonel, State of Kentucky, 1987
MERIT Award of the National Institutes of General Medical Sciences of NIH, 1988
Nebraska Admiral, State of Nebraska, 1988
Hamilton Award, University of Nebraska, 1988
Arthur C. Cope Scholar Award, 1989
Ernest Guenther Award in the Chemistry of Essential Oils and Related Products,
American Chemical Society, 1990
Dr. Paul Janssen Prize for Creativity in Organic Synthesis, 1990
ASSU Graduate Teaching Award, Stanford University, 1991
Pfizer Senior Faculty Award, 1992
Bing Teaching Award, Stanford University, 1993
Docteur *honoris causa* of the Université Claude Bernard (Lyon-I), France, 1994
Roger Adams Award, American Chemical Society, 1995
Doctor Scientiarum Honoris Causa, Technion, Haifa, Israel, 1997
Merck-Schuchardt Lecturer of the French Chemical Society, 1998
SCI-ACS (Joint Italian-American Chemical Societies) Lecturer, 1998
Presidential Green Chemistry Challenge Award, 1998
Herbert C. Brown Award for Creative Research in Synthetic Methods, American
Chemical Society, 1999
Elsevier Award, Belgium Organic Synthesis Symposium, 2000
Nichols Medal, New York Section, American Chemical Society, 2000
Yamada Prize, Japan, 2001
Nobel Laureate Signature Award for Graduate Education, American Chemical
Society, 2002
Arthur C. Cope Award, American Chemical Society, 2004
John Scott Award, City of Philadelphia, 2004

Editorial Appointments:

Journals:

Associate Editor, Journal of the American Chemical Society, 1974-80
Advisory Board of Editors, Journal of Organic Chemistry, 1973-77
Editorial Advisory Board, Organometallics, 1981-85
Editorial Advisory Board, Synthesis, 1985-
Editorial Advisory Board, Chemical & Engineering News, 1989-92
Board of Editors, Heteroatom Chemistry, 1989-
Tetrahedron Board of Consulting Editors, 1992-2002
Editorial Board, Natural Products Letters, 1992-2002
International Editorial Board, Journal of the Chemical Society-Perkin I, 1992-97
Editor, CHEMTRACTS-Organic Chemistry, 1993-
Editorial Board - Chemistry. A European Journal, 1995-
Advisory Board, Bulletin de la Société Chimique de France, 1996-7
International Advisory Board, Current Organic Chemistry, 1997-
Editorial Board, Natural Products Letters, 1998-
Editorial Advisory Board, Organic Letters, 1999-
Editorial Board, Green Chemistry, 1999-
Editorial Advisory Board, Advanced Synthesis and Catalysis, 2000-

Editorial Advisory Board, Accounts of Chemical Research, 2001-2003
 Editorial Advisory Board, Journal of Organic Chemistry, 2002-06
 Editorial Board, Proceedings of the National Academy of Sciences, 2003-2006
 Editorial Advisory Board, Beilstein Journal of Organic Chemistry, 2005-

Books:

Active Editorial Board of Organic Reactions Series, 1972-81
 Editor, Structure and Reactivity, Concepts in Organic Chemistry Series (Springer-Verlag)
 Editorial Board, Dictionary of Organic Compounds
 Editorial Board, Dictionary of Organometallic Compounds
 Editor, Synthesis Today and Tomorrow, with C.R. Hutchinson, Pergamon Press, 1981
 Editor, Selectivity - A Goal for Synthetic Efficiency, with W. Bartmann, Verlag Chemie, 1984
 Editor-in-Chief, Comprehensive Organic Synthesis, Pergamon Press, 1991
 Editorial Board, Houben-Weyl 2000
 Editor, Stereocontrolled Organic Synthesis. Chemistry of the 21st Century, IUPAC-Blackwell Scientific Publications, 1994
 Editor, Foundations of Organic Chemistry series, Thieme Verlag, 1995-
 Editorial Board, Science of Synthesis, Houben-Weyl Methods of Molecular Transformations

Consultant: Central Research, E.I. du Pont de Nemours & Co., Inc.
 Merck Research Laboratories
 ChiroTech

Author: "Problems in Spectroscopy", W.A. Benjamin Co., 1967
 "Sulfur Ylides - Emerging Synthetic Intermediates", Academic Press, 1975

Short Courses:

ACS - "Modern Synthetic Methods"
 Pharmaceutical Society of Sweden - "Modern Organic Synthesis"
 ACS - "Frontiers in Organic Chemistry", Course Director
 ACS Satellite Television Seminar on "Biological and Abiological Catalysis"
 National Science Council, Taiwan - "Organometallics in Synthesis"
 Swiss 3ème Cycle en Chimie - "Transition Metal Complexes. The Chemists' Enzymes"
 ACS Satellite TV Seminar on "Essentials of Organic Chemistry: An Update"

Committees, Panels, Juries, Delegations:

Executive Committee, ACS Division of Organic Chemistry, 1977-79
 Advisory Panel, NSF Chemistry Section, 1973-77
 Scientific Review Panel, National Institute of Child Health and Human Development
 Canvassing Committee (and Chairman), ACS Award for Creative Work in Synthetic Organic Chemistry, 1972-74, 1976
 Organizing Committee, Roussel "Table Ronde" on Selectivity in Organic Synthesis, 1977-78
 Evaluation Panel, NRC Postdoctoral Fellowships, 1978
 Jury, Willard Gibbs Medal, Chicago Section ACS, 1979-85
 Organizing Committee Chairman, 3rd IUPAC Symposium on Organic Synthesis, 1980
 Committee on Chemical Sciences, National Academy of Sciences, 1980-83
 U.S. Delegation to People's Republic of China, Chemistry of Natural Products, 1980
 Science Advisory Council, ARCO, 1981-87
 Technical Advisory Panel, Indicators of Scientific Research Instrumentation in Academic Institutions - A Feasibility Study, 1981-83

Swedish Natural Science Research Council and Swedish Board for Technical Development
Review Panel on Organic and Bioorganic Chemistry, 1982
Award Committee, ACS Award for Creative Work in Synthetic Organic Chemistry, 1980-82
NIH Medicinal Chemistry A Study Section, 1982-86 (Chairman 1984-86)
Hoechst Workshop - Scientific Organizer, Reisingburg, West Germany, 1983
National Academy of Sciences, Research Briefing Panel on Chemistry, 1983
Canvassing Committee, Roger Adams Award in Organic Chemistry, 1983-89
Chairman, Review Committee for Department of Chemistry, University of Michigan, 1984
U.S.-Swedish Workshop on the Future of Chemistry, 1984 - One of Five Invited U.S.
Participants
Participant Selection Committee, NSF Organometallic Chemistry Workshop, 1985
Award Committee, American Institute of Chemists' Chemical Pioneers Award, 1985-
Visiting Committee for Department of Chemistry, University of Michigan, 1985
American Academy of Arts and Sciences-Midwest Center Council, 1985-
International Advisory Committee if VI International Conference on Organic Synthesis,
Moscow, USSR, 1986
U.S. Organizer, U.S.-Swedish Joint Seminar on Synthetic Selectivity: A Time of
Opportunity, Tynningo, Sweden, 1986
Visiting Committee for Department of Chemistry, The Ohio State University, 1988
NSF Presidential Young Investigator Panel, 1988
Ciba Foundation Discussion on Molecular Recognition in Synthesis, 1988
NIH Institute of General Medical Sciences Council Ad-Hoc Member, 1988
Chairman, Visiting Committee for Department of Chemistry, Iowa State University, 1991
NRC Committee on Alternative Chemical Demilitarization Technologies, 1992-3
Canvassing Committee, ACS Cope Award, 1992-5
Visiting Committee for Department of Chemistry, University of Pittsburgh, 1993
Organizer of US-Former Soviet Union Workshop on Organic Synthesis, Stanford, 1994
Jury, Thieme-IUPAC Prize in Synthetic Organic Chemistry, 1994
Visiting Committee for Department of Chemistry, Texas A & M University, 1994
National Research Council Commission on Engineering and Technical Systems, 1994-2000
Jury, Springer Award for Organometallic Chemistry, 1997
Committee of Visitors, Division of Chemistry, NSF, 1998
Program Review Committee, Weizmann Institute of Science, Israel, 1998
Visiting Committee for Department of Chemistry, University of Pennsylvania, 2000
NICHD Review Panel, 2000
National Research Council Advisory Board for the Division on Engineering and Physical
Sciences, 2000-2002
Visiting Committee for Department of Chemistry, Vanderbilt University, 2001
Organizing Committee, Mesilla Conference, 2002

Lectureships, Special University and Industry:

Humble Lecturer in Science, Esso Laboratories, 1972
Sherwin-Williams Lecturer, University of Illinois, 1974
Timmie Lecturer, Emory University, 1975
American Swiss Foundation Lecturer, 1975
Visiting Distinguished Professor, University of Iowa, 1976
Merck Lecturer, Bucknell University, 1976
First Whitmore Lecturer, Penn State University, 1976
Visiting Distinguished Professor, University of Texas-Austin, 1977
Denkewalter Lecturer, Loyola University of Chicago, 1978
Friedman Lecturer, Rutgers University, 1978
Lemieux Lecturer, University of Ottawa, 1978
Arthur D. Little Lecturer, Northeastern University, 1979

Frank B. Dains Memorial Lecturer, University of Kansas, 1979
Ritter Memorial Lecturer, Miami University, 1980
Presidential Lecturer, University of Arizona, 1980
Sandia Lecturer, University of Mexico, 1981
Bachmann Lecturer, University of Michigan, 1981
Frontiers in Chemistry Lecturer, Case-Western Reserve, 1981
Arapahoe Distinguished Lecturer, University of Colorado, 1982
McNeil-Ortho Chemistry Lecturer, Philadelphia, 1982
Ayerst Lecturer, University of Montreal, 1983
Georges-Elie Amyot Lecturer, Universite Laval Quebec, 1983
Hilmar Johannes Backer Lecturer, University of Groningen, The Netherlands, 1983
Arnold Lecturer, University of Southern Illinois, 1983
R.P. Schere Lecturer, University of South Florida, 1983
Randolph T. Major Lecturer, University of Connecticut, 1983
Frontiers in Chemical Research Lecturer, Texas A&M University, 1984
First Bachman-Pierce Lecturer, Purdue University, 1984
Convention Intercantonal Romande Pour l'Enseignement du 3e Cycle en Chemie Lecturer,
Switzerland, 1984
Hirschmann Symposium, University of Wisconsin, 1985
Northwestern's Fall Symposium on Organic Synthesis, 1985
Middle Rhine Lectureship, 1986
Rabjohn Lecturer, University of Missouri, Columbia, 1986
First Burkett Lecturer in Organic Chemistry, DePaul University, 1986
Kolthoff Lecturer, University of Minnesota, 1987
10th Annual Distinguished Lecturer, University of Louisville, 1987
First Glaxo Lecturer, Duke University, 1987
H.C. Brown Lecturer, Purdue University, 1987
Job Visiting Professor, Memorial University of Newfoundland, 1987
Smith Kline and French Lecturer, University of Illinois, 1987
Warner-Lambert Lecturer, Michigan State University, 1987
C.S. Hamilton Award, University of Nebraska, 1988-89
William Rauscher Lecturer, Rensselaer Polytechnic Institute, 1988
Glenn Brown Visiting Professor, Case Western Reserve University, 1988
Francis Clifford Phillips Lecturer, University of Pittsburgh, 1989
Greater Manchester Lecturer in Organic Chemistry, Manchester, England, 1989
Armes Lecturer in Chemistry, University of Manitoba, Canada, 1989
Organic Synthesis Lecturer, U.C. - Irvine, 1991
Distinguished Visiting Speaker, University of Calgary, 1992
Turner Lecturer, Rice University, 1992
Merck Lecturer, McGill University, 1992
Research Center for New Drug Development, Seoul National University, 1992
Chandler Society Lecturer, Columbia University, 1992
Sandin Lecturer, University of Alberta, 1993
Distinguished Scholar Lecturer, Hope College 1993
Visiting Scholar, University of Iowa, 1993
Leopold Marcus Lecturer, Washington University in St. Louis, 1993
Karl Ziegler Gastprofessor, Max Planck Institut-Mülheim, 1993
Bergmann Lecturer, Yale University, 1993
Fred Pattison Senior Lecturer, University of Western Ontario, 1994
Syntex Distinguished Lecturer, Colorado State University, 1994
Distinguished Lecturer, National Science Council, Taiwan, 1994
Russell E. Marker Lecturer, University of Maryland, 1994
Merck Lecturer, University of Sherbrook, 1994

Henry Gilman Lecturer, Iowa State University, 1994
Syntex Distinguished Lecturer, University of Colorado, 1995
Friend E. Clark Lecturer, University of West Virginia, 1995
Karcher Lecturer, University of Oklahoma, 1995
Fuson Lecturer, University of Nevada-Reno, 1996
Rowland Pettit Memorial Lecture, University of Texas-Austin, 1996
Wyeth-Ayerst Lecturer, University of Pennsylvania, 1997
Pfizer Lecture, University of Puerto Rico - Rio Piedras, 1997
Biomega-Boehringer Ingelheim Research Lecturer, University of British Columbia, 1997
Joel Broberg Distinguished Lecturer, North Dakota State University, 1998
McElvain Lecturer, University of Wisconsin - Madison, 1998
Rennebohm Lecturer, University of Wisconsin - Madison, Pharmacy, 1998
Rayson Huang Visiting Lecturer in Chemistry, University of Hong Kong, 1998
Gilbert Stork Lecturer, Columbia University, 1999
Novartis Lecturer in Chemistry, Novartis Pharmaceutical Co., 1999
Calvin-Lilly Lecturer, University of Minnesota, 1999
Bristol-Myers-Squibb Lecturer, M.I.T., 1999
Merck-Schuchardt-Lectureship, Northern German Universities, 1999
Boehringer-Ingelheim Lecturer, Yale, 1999
Bio-Méga Lecturer, Université de Montréal, 1999
Provid-Rutgers Lectureship, 2000
Gordon L. Hodgson Jr. Memorial Lecturer, Glaxo-Wellcome, 2000
BCI Distinguished Lecturer, Queen's University, 2000
Vielberth Award, University of Regensburg, Germany, 2001
Hilmar Johannes Backer Lecturer, Groningen, Netherlands, 2001
Alexander Todd Visiting Professor, Cambridge University, 2002
Ruzicka Lecturer, ETH-Zürich, 2002
Henry J. Shine Endowment Lecturer, Texas Tech University, 2002
Eli Lilly Lectureship in Organic Chemistry, University of Pittsburgh, 2002
Kilpatrick Lecturer, Illinois Institute of Technology, Chicago, 2003
Morris S. Kharasch Visiting Professor, University of Chicago, 2003
Allergan Lecturer, California State University-Long Beach, 2003
Bristol-Myers-Squibb Lecturer, Princeton, NJ, 2004
Büchi Lecturer, Oregon State University, 2004
Merck Distinguished Lecturer, Rutgers, 2005
Gooch-Stephens Lecturer, Baylor, 2005
Abbott Lecturer, University of Illinois – Chicago, 2005
Wang Yu Lecturer, Shanghai Institute of Organic Chemistry, China, 2006

Membership: Phi Beta Kappa
Phi Lambda Upsilon
Sigma Chi
Pi Mu Epsilon
American Chemical Society
Royal Society of Chemistry, London
American Association for the Advancement of Science
American Academy of Arts and Sciences
American Institute of Chemists
World Innovation Foundation

Other Citations:
List of 1000 Most Cited Contemporary Scientists, ISI
List of World's 50 Most Cited Chemists, ISI

List of ISI Highly Cited Researchers
Marquis' Who's Who in America
Cattell's American Men and Women of Science
McGraw-Hill Modern Scientists and Engineers
Marquis' Who's Who in Science and Technology
Marquis' Who's Who in the Midwest
Men of Achievement, International Biographical Center, Cambridge, England
The International Who's Who
America's Names and Faces
Sterling Who's Who
American Biographical's Institute's Five Thousand Personalities of the World
One of the top ten most-requested articles listed in 2003 CAS-online

Plenary Lectures:

Gordon Research Conference on Medicinal Chemistry, 1967
ACS Great Lakes Regional Meeting, Milwaukee, WI, 1968
National Meeting, Minneapolis, MN 1969
Canadian Institute of Chemistry Joint Meeting, Toronto, 1970
Gordon Research Conference on Natural Products, 1970
ACS Great Lakes Regional Meeting, Fargo, ND, 1970
ACS National Meeting, Los Angeles, CA, 1970
Gordon Research Conference on Organic Reaction, 1970
Gordon Research Conference on Heterocyclic Compounds, 1971
ACS National Meeting, Washington, DC, 1971
15th Conference on Organic Chemistry, Natick Laboratories, 1972
Gordon Conference on Hydrocarbon Chemistry, 1973
23rd National Organic Chemistry Symposium, Tallahassee, FL 1973
US-Japan Joint Seminar on Natural Products, 1973
Societe Chemie de France, Orsay, 1973
VIth International Conference on Organosulfur Chemistry, Bangor, Wales, 1974
1st IUPAC Conference on Organic Synthesis, Louvain-Laneuve, Belgium, 1974
14th National Medicinal Chemistry Symposium, Durham, NH, 1974
Chemical Society (London), Stirling, Scotland, 1974
13th Industrial Affiliates Symposium, Stanford University, 1975
Gordon Conference on Natural Products, 1975
1st North American Chemical Congress, Mexico City, 1975
ACS Central Regional Meeting, Morgantown, WV, 1975
ACS Midwest Regional Meeting, Carbondale, IL, 1975
Workshop on Organic Synthesis and Natural Product Chemistry, Gatlingburg, TN, 1975
Vth International Symposium on Medicinal Chemistry, Paris, 1976
International Symposium on Present and Potential Uses of Transition Metals in Organic Synthesis, St. Raphael, France, 1976
ACS Great Lakes Regional Meeting, Evanston, IL 1976
ACS Northeast Regional Meeting, Albany, NY, 1976
Yugoslav Symposium on Organic Chemistry, Belgrade, 1977
ACS Middle Atlantic Regional meeting, Newark, DE, 1977
ACS National Meeting, New Orleans, LA 1977
Gordon Research Conference on Organic Reactions and Processes, 1977
Gordon Research Conference on Natural Products Chemistry, 1977
11th IUPAC Symposium on Natural Products, Varna, Bulgaria, 1978
ACS North Jersey Section meeting, Newark, NJ, 1978
Workshop on Stereoselective Synthesis of Natural Products, Ulm, West Germany, 1978
ACS Japanese Chemical Society Joint Meeting, Honolulu, HI, 1979

ACS Middle Atlantic Regional Meeting, W. Long Beach, NJ, 1979
6th International Symposium on Organic Synthesis, Cambridge, England, 1979
Conversations in the Disciplines, Symposium on Creativity in Organic Synthesis, Buffalo, NY 1979
1st International Kyoto Conference on New Aspects of Organic Chemistry, Kyoto, Japan, 1979
Gordon Conference on Heterocycles, 1980
2nd North American Chemical Congress, San Francisco, CA 1980
1st Sino-US Symposium on the Chemistry of Natural Products, Shanghai, China, 1980
ACS National Meeting, Las Vegas, NE, 1980
27th National Organic Chemistry Symposium, Nashville, TN, 1981
International Conference on the Chemistry of the Platinum Group Metals, Bristol, England, 1981
International Symposium on the Chemistry of Carbocations, Bangor, Wales, 1981
1st IUPAC Symposium on Organometallic Chemistry Directed Toward Organic Synthesis, Fort Collins, CO, 1981
US-Japan Joint Seminar on Asymmetric Synthesis, Stanford, CA, 1981
Royal Society of Chemistry Symposium, London, 1982
Sheffield Symposium, Sheffield, 1982
Royal Dutch Chemical Society Symposium, Wageningen, 1982
4th IUPAC Symposium on Organic Synthesis, Tokyo, 1982
Highlights in Organic Synthesis, Sapporo, 1982
3rd International Symposium on Homogeneous Catalysis, Milan, 1982
Oesper Symposium, University of Cincinnati, 1982
Esther Humphrey Symposium, University of Vermont, 1982
Chemical Institute of Canada Symposium, Montreal, 1983
Royal Society of Chemistry Annual Congress, Lancaster, England, 1983
2nd Symposium on Organic Chemistry of Natural Products in Industrial Chemistry. Structure and Synthesis, Pisa, Italy, 1983
Organic Chemistry Conference, Pietermaritzburg, South Africa, 1983
GECO XXIV, Cap d'Agde Herault, France, 1983
I. Cappuccini Symposium, S. Miniato, Pisa, Italy, 1983
American Institute of Chemists, Atlantic City, 1983
Bachmann Symposium, University of Michigan, 1983
International Symposium on Heteroatoms for Organic Synthesis, Montreal, 1983
Royal Australian Chemical Institute, 1984
Chemical Society of Zurich, 1984
Gordon Conference on Natural Products, 1984
Sixth Annual ACS Fall Organic Chemistry, Italian Chemical Society, 1984
ISCHIA Advanced School of Organic Chemistry, Italian Chemical Society, 1984
International Chemical Congress of Pacific Basis Societies, 1984
Symposium on Natural Products
Symposium on Transition Metals in Organic Synthesis
Ninth Biannual Meeting of the Society of Chemical Engineers and Croatian Chemical Society, Zagreb, Yugoslavia, 1985
ACS National Meeting, Miami, FL, 1985
Ninth International Symposium on Synthesis in Organic Chemistry, Oxford, England, 1985
51st Annual meeting of the Chemical Society of Japan, Kanazawa, 1985
Chemical Society of Basel, Switzerland, 1985
XX Organosilicon Symposium, Tarrytown, NY, 1986
ACS Lexington Section, 1986
Syntex Synthetic Chemistry Symposium, Boulder, Colorado, 1986
Gordon Conference on Organic Reactions and Processes, 1986

Workshop on Stereochemistry of Bioorganic and Organic Transformations at Reisingburg, West Germany, 1986
600th Anniversary of University of Heidelberg, West Germany, 1986
Meeting of Grant-in-aid Special Research, Japanese Ministry of Education, 1986
U.S.-Swedish Joint Seminar on Synthetic Selectivity: A Time of Opportunity Tynningo, Sweden, 1986
Hirschmann Symposium, Merck Sharp & Dohme-West Point, 1987
NSF Workshop on Organometallic Chemistry, 1987
JUC Pharm Sci 87 Symposium, Honolulu, HI, 1987
The First Princess Chulabhorn Science Congress, Bangkok, Thailand, 1987
The Royal Society Discussion Meeting on the Influence of Organometallic Chemistry on Organic Synthesis, London, England, 1988
7th IUPAC Conference on Organic Synthesis, Nancy, France, 1988
Rochester Fall ACS Symposium 1988
Journées Scientifiques of Rhone-Poulenc, 1988
NATO Workshop on Strain and Its Implications in Organic Chemistry, 1988
Gordon Research Conference On Natural Products, 1889
ACS National Meeting, Miami, FL, 1989
The 1989 International Chemical Congress of Pacific Basin Societies, Honolulu, HI
AAAS National Meeting, San Francisco, CA, 1989
New York Academy of Sciences, 1989
The Royal Society Symposium on the Application of Transition Metals in Synthesis, St. Andrews, Scotland, 1989
13th Conference on Isoprenoids, Poznan, Poland, 1989
5th Nozaki Conference, Okayama, Japan, 1990
Ficini Memorial Workshop, Nemur, Belgium, 1990
4th International Symposium on Natural Products, Karachi, Pakistan, 1990
ACS Symposium on "New Science and Homogeneous Transition Metal Catalyzed Reactions," Boston, 1990
Belgium Organic Synthesis Symposium, Louvain-La-Neuve, Belgium, 1990
EUCHEM Meeting on "Theoretical Chemistry and Organic Synthesis," Avignon, France, 1990
Goering Symposium, University of Wisconsin-Madison, 1990
John K. Stille Memorial Symposium, ACS Fall Meeting, Washington, D.C., 1990
EUCHEM Conference on Palladium in Organic Synthesis, Sigtuna, Sweden, 1990
French-American Chemical Society Meeting, Captiva Island, Fla., 1991
International Conference on Chemical Sciences in Development, Colombo, Sri Lanka, 1991
6th IUPAC Symposium on Organometallic Chemistry Directed Towards Organic Synthesis, Utrecht, Netherlands, 1991
33rd IUPAC Congress, Budapest, Hungary, 1991
Second Annual Organic Chemistry Symposium, Rhone-Poulenc Ag Co., 1991
Glaxo-UNC Conferences on the Frontiers of Chemistry and Medicine, Chapel Hill, 1991
3rd EUCHEM Symposium on the Total Synthesis of Antibiotics, Franken, Germany, 1992
5th Brazilian Meeting on Organic Synthesis, Campinas, Brazil, 1992
75th Canadian Chemical Conference, Edmonton, Canada, 1992
Gordon Conference on Heterocyclic Chemistry, 1992
Hirschmann Symposium, University of Pennsylvania, 1992
Searle Symposium, 1992
A.I. Meyers Symposium on Organic Chemistry, 48th Southwest ACS Regional Meeting, Lubbock, Texas, 1992
Gordon Conference on Stereochemistry, 1992
Organic Chemistry Day, University of Missouri-Columbia, 1993
Frontiers in Biomedical Research, Annenberg Center at Eisenhower, 1993

Society of Chemical Industry, London, 1993
Cycloaddition Chemistry in Synthesis, London, 1993
3ème Cycle en Chimie, Champéry, Switzerland, 1994
French Chemical Society, Lyons, 1994
XVI International Conference on Organometallic Chemistry, Sussex, England, 1994
19th IUPAC Symposium on the Chemistry of Natural Products, Karachi, Pakistan, 1994
Chemistry as a Life Science, Newark, 1994
Zeneca Excellence in Chemistry Symposium, Wilmington, 1994
4th International Conference of Heteroatom Chemistry, Seoul, Korea, 1995
Royal Society of Chemistry Conference on Organic Synthesis, Cambridge, England, 1995
34th National Organic Chemistry Symposium, Williamsburg, VA, 1995
Symposium for the 80th Anniversary of Pharmaceutical Education in Korea, Seoul, 1995
International Symposium on Selectivity in Basic & Applied Organic Chemistry, Jerusalem, 1995
ACS National Meeting, Anaheim, CA 1995
 Pure Chemistry Award Symposium
 Environmentally Benign Synthesis Symposium
1995 International Chemical Congress of Pacific Basin Societies, Honolulu, HI
Vth Konigstein/Kreuth Conference on Organometallic Chemistry, Wildbad Kreuth, Germany, 1995
ARCO Chemical Fall Symposium, 1995
First Annual Proctor and Gamble Lectures in Organic Chemistry, Cincinnati, OH, 1995
7th Biennial Lilly Grantee Symposium, Indianapolis, 1996
International Symposium in Chemistry, Mexico City, 1996
Chiral USA '96 Symposium, Boston, MA, 1996
Tenth International Symposium on Homogeneous Catalysis, Princeton, NJ, 1996
Gordon Research Conference on Heterocycles, 1996
Gordon Research Conference on Environmentally Benign Organic Synthesis, 1996
Welch Foundation Conference, 1996
ACS National Meeting, New Orleans, 1996
30th Sheffield Stereochemistry Conference, England, 1996
Chira Tech, 96, Brussels, Belgium, 1996
ACS National Meeting, San Francisco, 1997
 William S. Johnson Memorial Symposium
 Symposium on Recent Advances in Organopalladium Chemistry
 Symposium on Design and Optimization of Organic Synthesis
French-American Chemical Society Meeting, Tuscon, AZ, 1997
1997 Green Chemistry and Engineering Conference, Washington, D.C.
Gordon Research Conference on Organic Reactions and Processes, 1997
Gordon Research Conference on Environmentally Benign Synthesis, 1997
7th International Kyoto Conference on Organic Chemistry, Japan, 1997
2nd International Forum on Chemistry of Functional Organic Chemicals, Japan, 1997
1997 Otsuka Symposium, Japan
3rd Hiroshima International Symposium on Organic Chemistry, Japan, 1997
Princeton Fall Organic Chemistry Symposium, 1997
Gordon Research Conference on the Chemistry of Natural Products, 1998
Ernst Schering Research Foundation Workshop, Germany, 1998
2nd Annual Green Chemistry and Engineering Conference, Washington, D.C., 1998
ACS National Meeting, Dallas, 1998
ACS National Meeting, Boston, 1998
1998 Heidelberg Symposium
Ischia Advanced School of Organic Chemistry, Italy, 1998
Chiral Europe '98, Nice, France, 1998

New Synthetic Methods for Effective Drug Design, Sanibel Is., 1998
Société Française de Chimie, Paris, 1998
ACS National Meeting, Anaheim, 1999
International Symposium on Chirality, Cambridge, England, 1999
Accademia dei Lincei Fondazione Donegani, Rome, 2000
Herbert C. Brown Symposium, Purdue, 2000
Nichols Award Symposium, 2000
Belgium Organic Synthesis Symposium, 2000
Interuniversity Consortium Chemistry for the Environment, Venice, 2000
36th ACS Western Regional Meeting, San Francisco, 2000
11th Quebec/Ontario Symposium in Synthetic and Bioorganic Chemistry, 2000
5th Loughborough Synthesis Symposium, 2000
UCSD/DuPont Pharma Symposium on Organic Chemistry, 2000
Pacifichem 2000 Congress, Honolulu, HI, 2000
Royal Society of Chemistry Green Chemistry Symposium, Swansea, Wales, 2001
First Spring Festival of Chemistry, Bristol, UK, 2001
Johnson-Matthey Catalysis in Organic Synthesis Symposium, New Jersey, 2001
2nd Symposium on Selective Synthesis Mediated by Organometallic Compounds, Oviedo, Spain, 2001
12th European Symposium on Organic Chemistry, Groningen, Netherlands, 2001
2nd European Catalysis Symposium, Pisa, Italy 2001
18th International Congress of Heterocyclic Chemistry, Yokohama, Japan, 2001
Organic Division, Danish Chemical Society, Copenhagen, 2001
Kjell Undheim Symposium, Oslo, 2001
Heidelberg Forum of Molecular Catalysis, Germany, 2001
Mesilla Conference on Asymmetric Catalysis, New Mexico, 2002
ACS National Meeting, Orlando, 2002
First PERCH Annual Scientific Conference, Pattaya, Thailand, 2002
Société Française de Chimie Congress, Toulouse, France, 2002
ACS National Meeting, Boston, 2002
First International SPECS and BioSPECS Symposium on the New Chemistries, Delft, The Netherlands, 2002
Symposium on Organic Synthesis, Irvine, CA, 2002
ACS Perspectives on Catalysis Symposium, Boston, MA, 2003
123rd Annual Meeting of the Pharmaceutical Society of Japan, Nagasaki, Japan, 2003
Korean Chemical Society, Seoul, 2003
Chiral Europe Symposium, London, UK, 2003
Komppa Centenary Symposium, Helsinki, Finland, 2003
Gordon Conference on Medicinal Chemistry, New London, NH, 2003
Blue Danube Symposium on Heterocyclic Chemistry, Vienna, Austria, 2003
Danish Academy of Technical Sciences Symposium on Synthetic Efficiency, Copenhagen, Denmark, 2004
International Conference on Modern Synthetic Methods - Reaction to Reality, Messe Berlin Germany, 2004
La Jolla Green Chemistry Symposium, 2004
7th International Symposium on Carbanion Chemistry, Alicante, Spain, 2004
21st International Symposium On the Organic Chemistry of Sulfur, Madrid, Spain, 2004
Gordon Conference on Organic Reactions and Processes, Bristol, RI, 2004
Gordon Conference on Natural Products, Tilton, NH, 2004
Cope Award Symposium, ACS Meeting, Philadelphia, PA, 2004
Visions Symposium in Chemistry, Aventis, New Jersey, 2004
Horizons Symposium on Charting Chemical Space: Finding New Tools to Explore Biology, Portland, ME, 2004

2004

Grabowski Symposium, Merck – Whitehouse Station, 2004
Fifth International Symposium on Transition Metals in Organic Synthesis, Glasgow, UK,
2nd Brazilian Symposium on Medicinal Chemistry: Current Trends in Drug Discovery and
Development, Rio de Janeiro, 2004
Seventh International Symposium on Process Development Chemistry and Technology,
Amelia Island, FL, 2005
Merck chemistry Council Conference, La Sapiniere, Quebec, Canada, 2004
GDCh/DphG Frontiers in Medicinal Chemistry, Leipzig, Germany 2005
Chiral Europe, Cambridge, UK, 2005
Gordon research Conference on Heterocyclic Compounds, Newport, RI 2005
Gordon research Conference on Organometallics, Newport, RI 2005
International Conference on the Chemistry of Antibiotics and Bioactive Compounds,
Bordeaux, France, 2005
Asymmetric Syntheses with Chemical and Biological Methods, Aachen, Germany, 2005
Singapore International chemical Conference, 2005
Green Chemical Processes, Pacifichem, Hawaii, 2005
7th Florida Heterocyclic Conference, Gainesville, 2006
Conference on Multi-Component Reactions, Amsterdam, 2006
Novel Chiral Chemistries Japan 2006, Tokyo
OMCOS 14, Nara, Japan, 2007

Patents:

"Conversion of Organic Carboxylic Acid to Corresponding Ketone with Loss of Carbon Atom"

B.M. Trost and Y. Tamaru

US Patent 4,007,211 February 8, 1977

"Allylic Alkylation"

B.M. Trost and T.R. Verhoeven

US Patent 4,051,157 September 27, 1977

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