

HETEROCYCLES, Vol. 84, No. 1, 2012, pp. 5 - 27. © 2012 The Japan Institute of Heterocyclic Chemistry  
DOI: 10.3987/COM-11-S(P)Resume

## RESUME

Dr. Albert Padwa

October 3, 1937  
New York City

### EDUCATION

Columbia University, B.A. 1959  
Columbia University, Ph.D. 1962  
University of Wisconsin  
National Science Foundation Postdoctoral Fellow, 1962-1963

### EXPERIENCE

Columbia University Fellow - 1960-1961  
National Science Foundation Postdoctoral Fellow - 1962-1963  
Assistant Professor of Chemistry - Ohio State University 1963-1966  
Associate Professor of Chemistry - SUNY at Buffalo, 1966-1969  
Professor of Chemistry - State University of New York at Buffalo, 1969-1979  
William P. Timmie Professor of Chemistry, Emory University, Atlanta, Ga., 1979-  
Alfred P. Sloan Foundation Fellow - 1968-1970  
Consultant, Union Carbide Corporation, Charleston, West Virginia, 1965-1978  
Consultant, Speciality Chemical Division, Pfizer Chemical, 1986-1987  
NIH Special Senior Research Fellow, 1972 (Harvard University)  
NATO Senior Research Fellow, 1973 (E.T.H., Zurich, Switzerland)  
Medicinal Chemistry A Study Section, National Institutes of Health (1976-1980)  
Participant in the U.S.-India Exchange of Scientist Program (1976-1977)  
Member of Editorial Board of Reviews of Chemical Intermediates  
Executive Committee - Organic Division of the Interamerican Photochem. Soc. 1977-1979  
Alternate Councilor, Organic Division, American Chemical Society, (1978-1985)  
Editor-at-Large- Organic Chemistry Marcel Dekker, Inc., (1978-1991),  
Organic Photochemistry, Volumes 4-11  
Visiting Professor-University Claude Bernard - Lyons, France, 1978  
Ad Hoc Task Force to Monitor the Journal of Organic Chemistry, 1979-1981  
Guest Editor, Tetrahedron Symposium in Print-"Recent Advances in Organic Photochemistry"  
Editor - Monograph on 1,3-Dipolar Cycloadditions - Wiley Inc. 1984  
Organizing Committee - IX IUPAC Symposium on Photochemistry, 1982  
Advisory Editorial Board, Journal of Organic Chemistry, 1981-1985  
John S. Guggenheim Foundation Fellow, 1981-1982  
Sigma Xi Award, 1981, Atlanta Section  
ACS Awards Committee for the Selection of James Flack Norris Award, 1982-1984  
Visiting Professor, University of California at Los Angeles, 1982  
Visiting Professor, University of California at Berkeley, 1982  
Chairman - Gordon Research Conference on Heterocycles, 1983

Chairman - NSF Workshop on Reactive Intermediates, 1981-1983  
Alexander von Humboldt Senior Scientist Award, 1983-1985  
Visiting Professor, University of Wurzburg, West Germany, 1983-1985  
Plenary Lecturer - 28th National Organic Symposium, 1983  
1983 Herty Medalist of the Southeast American Chemical Society  
Advisory Editorial Board, Journal of the American Chemical Society, 1984-1987  
Japan Society Promotion of Science (JSPS) Research Fellow, 1984  
Visiting Professor - University of Peking (China), 1984  
Chairman Organic Division - American Chemical Society, 1985-1986  
Senior Advisory Editor, JAI Press, 1983-1999  
ACS Awards Committee for the Selection of Arthur C. Cope Awardee 1986-1987  
USA-Israeli Binational Awardee, 1985-1994  
NATO Research Awardee, 1984-1989, University of Catania, Italy  
Recipient of Emory University Scholar-Teacher Award, 1988  
ACS Awards Committee for the Nobel Laureate Signature Award 1989-1992  
Ad Hoc Task Force to Monitor the Journal of American Chemical Society, 1990  
ACS Petroleum Research Fund Advisory Board, 1990-1992  
NATO Research Awardee, 1990-1994, Loughborough University, England  
US-UK NSF Cooperative Research Award, 1990  
1990 Southern Chemist Award, Memphis Section of the American Chemical Society  
Fulbright Hays Visiting Professor, Imperial College of Chemistry, London, England 1990  
Symposium Chairman, Heterocyclic Chemistry, Washington 1990 ACS Meeting  
Fulbright Hays Fellowship, Great Britain 1990-1992  
Rayson Huang Visiting Lectureship, University of Hong Kong, 1993  
Editorial Advisory Board, Heterocyclic Communications, 1994-present  
1994 Recipient of the Florida Award, Florida Sections of the American Chemical Society  
President of the International Society of Heterocyclic Chemistry, 1994-1996  
Executive Advisory Board of the International Society of Heterocyclic Chemistry, 1996-1998  
Advisory Board of Electronic Conference on Trends in Organic Chemistry, 1995-1997  
ACS Awards Committee for the Selection of the Pure Chemistry Awardee, 1995-1997  
2nd Michigan Chemistry Community Tour Lecturer, 1995  
Advisory Editorial Board, Journal of Organic Chemistry, 1996-2000  
Volume Editor for Comprehensive Heterocyclic Chemistry II, Elsevier Press, 1996  
BASF Visiting Guest Professor, University of Kaiserslautern, Germany; 1996  
1996 Recipient of the Stone Award, Carolina Piedmont Section of the American Chemical Society  
Scientific Advisory Board for the Internet Journal of Chemistry; 1997-present  
Chemical Consultant -- Procter & Gamble; 1997  
Symposium Chairman, Organometallic/Heterocyclic Chemistry, Boston 1998 ACS Meeting  
Expert Chemical Witness for Williams and Connolly Law Offices, Ciprofloxacin, 1997-1999  
1999 Senior Award in Heterocyclic Chemistry from the Intern. Society of Heterocyclic Chemists  
Honorary Fellow of the Florida Center for Heterocyclic Compounds, 1999-2004  
Editorial Advisory Board, Organic Letters, 1999-2010  
American Chemical Society Arthur C. Cope Scholar Award, 2000  
Symposium Co-chairman, Heterocyclic Chemistry, 2000 Pacific Basin ACS Meeting, Honolulu  
Novartis Chemistry Lectureship, 2001  
Expert Chemical Witness for Morgan Lewis Bockius Law Offices; Ceftin; 2002-2003  
Editor-Monograph on 1,3-Dipolar Cycloadditions-Chemistry of Heterocyclic Compounds-Wiley,  
Volume Editor for Science of Synthesis (SOS); Vol 27, Compounds with Two Carbon-Heteroatom Bonds;  
Thieme-Verlag, Stuttgart, Germany 2002-2004  
Associate Editor of Journal of Organic Chemistry, 2002-present  
Expert Chemical Witness for Simpson Thacher & Bartlett Law Offices Levofloxacin; 2003

Advisory Editorial Board, Current Organic Synthesis, 2003-present  
Fellow of the International Society of Heterocyclic Chemistry Award, 2003  
Expert Chemical Witness Morris, Nichols, Arsht & Tunnell Law Offices — Amlodipine; 2005  
2004 Robert Lutz Lecturer at the University of Virginia, Charlottesville, Va,  
2004 Novartis Central European Chemistry Lectureship (Prague, Budapest, Bratislava)  
Expert Chemical Witness for Schiff Hardin & Waite Law Offices; 2004-2006 (Omeprazole)  
3M Distinguished Lecturer at the University of Western Ontario, London, Ontario, Canada; 2005  
Advances in Heterocyclic Chemistry, Editorial Advisory Board, 2007-present  
Member of Editorial Board of Topics in Heterocyclic Chemistry; Springer-Verlag, Germany; 2005-2011  
Wilsmore Fellow in School of Chemistry, University of Melbourne, Australia 2005  
Visiting Fellow in Research School of Australian National University, Canberra, Australia 2005  
Volume Editor for Comprehensive Heterocyclic Chemistry III. Elsevier Press, 2005-2007  
Expert Chemical Witness Cohen, Pontani, Lieverman and Pavana Law Offices — Pantoprazole; 2006  
2006 Leroy H. Klemm Lecturer at the University of Oregon, Eugene, Oregon  
Arkivoc Control Board Member; 2006-present  
Expert Chemical Witness for Marshall, Gerstein & Borun Law Offices, Cialis; 2006-2007  
Visiting Professor at Istanbul Technical University, Istanbul, Turkey 2006  
Fellow of the American Association for Advancement of Science (AAAS) 2008  
Board of Consulting Editors; Elsevier (Tetrahedron and Tetrahedron Letters), 2008  
Visiting Professor at the Indian Institute of Science, Bangalore, India, 2009  
2009 Inaugural Howard Tieckelmann Lecturer, SUNY Buffalo, Buffalo, NY, 2009  
Evaluating Committee for Chemistry Department at Univ. of Cyprus, Nicosia, Cyprus, 2009  
University of Sherbrooke 2010 Boehringer Ingelheim Distinguished Lecturer, Canada  
2010 American Chemistry Society ACS Fellow  
Member of Editorial Board for “Advances in Heterocyclic Chemistry”; 2010  
Member of Editorial Board of Heterocyclic Communications, 2010, De Gruyterc Publishers.  
2011 Lecturer at the Leo A. Paquette Legacy Symposium, Ohio State University, Columbus, Ohio  
Reviewer on an Average of 25-30 Papers and Research Proposals per year

## **DEPARTMENT AND UNIVERSITY DUTIES**

### **SUNY BUFFALO**

Graduate Student Committees  
Seminar Committee  
Faculty Advisory Council to the President  
Curriculum Committee in the Faculty of Natural Sciences and Mathematics  
Foster Lecture Committee  
Chemistry Executive Committee  
Ad hoc Committee on the Creation of New Departments  
Ad hoc Committee on NSF Department of Excellence Grant  
Seminar and Research Proposal Committee  
Instrumentation Committee  
Chairman, Graduate Recruiting Committee  
Director of Graduate Studies  
Search Committee for the Dean of Faculty of Natural Sciences  
Committee Member for Allocation of Teaching Assistantships in the  
Faculty of Natural Sciences

### **EMORY UNIVERSITY**

Committee Member for Allocation of Woodruff Funds for Faculty Support  
Natural Science Divisional Review Committee

University Research Committee  
University Wide Patent Committee  
Committee for Selection of Dobb Professorships  
Committee for Evaluation of Geology Department  
Committee for Selection of Honorary Degrees  
Instrument Committee of Chemistry Department  
Executive Committee of Chemistry Department  
Committee for Improvement of Ph.D. Dissertations, Graduate School  
Emory College Student Conduct Council  
Chemistry Brochure Committee  
Instrument Committee of Chemistry Department  
Executive Committee of Chemistry Department  
Educational Policy Committee  
Chemistry Brochure Chairman  
Committee for Selection of University Scholar Teacher Award  
University Budget Committee  
University Faculty Senate 2002-2005

#### **CURRENT RESEARCH INTERESTS**

Synthesis and properties of novel and biologically important polyaza heterocycles, tandem cascade chemistry, applications of the Pummerer reaction for heterocyclic synthesis, alkaloid chemistry and the cyclization reactions of metallo carbenoids for organic synthesis. Emphasis is placed on new types of synthetic reactions which require a detailed insight into reaction mechanisms. The study of novel heterocyclic compounds represents an ongoing program designed to expand the understanding of the relationship of stereochemistry to chemical reactivity. Research interests also cover several areas of organometallic chemistry, asymmetric synthesis, the mechanism of transition metal catalyzed processes, cycloaddition reactions, applications of molecular orbital theory in organic chemistry, and synthetic organic photochemistry. These investigations embody several disciplines: synthetic methodology, isolation and total synthesis of alkaloids, application of cycloaddition processes for the synthesis of complex molecules and diastereoselective control using metal templates.

#### **PAPERS PRESENTED AT NATIONAL MEETINGS**

148th National ACS Meeting, Chicago, Illinois  
149th National ACS Meeting, Detroit, Michigan  
151st National ACS Meeting, Pittsburgh, Pennsylvania  
152nd National ACS Meeting, New York City, New York  
154th National ACS Meeting, Chicago, Illinois  
155th National ACS Meeting, San Francisco, California  
156th National ACS Meeting, Atlantic City, New Jersey  
157th National ACS Meeting, Minneapolis, Minnesota  
158th National ACS Meeting, New York City, New York  
160th National ACS Meeting, Chicago, Illinois  
161st National ACS Meeting, Los Angeles, California  
162nd National ACS Meeting, Washington, D. C.  
163rd National ACS Meeting, Boston, Massachusetts  
169th National ACS Meeting, Philadelphia, Pennsylvania  
176th National ACS Meeting, Miami Beach, Florida  
180th National ACS Meeting, Las Vegas, Nevada  
181st National ACS Meeting, Atlanta, Georgia  
189th National ACS Meeting, Miami, Florida  
194th National ACS Meeting, Denver, Colorado  
195th National ACS Meeting, Toronto, Canada  
196th National ACS Meeting, Los Angeles, California  
197th National ACS Meeting, Dallas, Texas

199th National ACS Meeting, Boston, Massachusetts  
 200th National ACS Meeting, Washington, D.C.  
 201st National ACS Meeting, Atlanta, Georgia  
 202nd National ACS Meeting, New York City, New York  
 206th National ACS Meeting, Chicago, Illinois  
 208th National ACS Meeting, Washington, D.C.  
 209th National ACS Meeting, Anaheim, California.  
 211th National ACS Meeting, New Orleans, La.  
 213th National ACS Meeting, San Francisco, California  
 216th National ACS Meeting, Boston, Massachusetts  
 220th National ACS Meeting, Washington, D.C.  
 222nd National ACS Meeting, Chicago, Illinois  
 225th National ACS Meeting, New Orleans, La.  
 226th National ACS Meeting, New York City, New York  
 228th National ACS Meeting, Philadelphia, Pa  
 229th National ACS Meeting, San Diego, California  
 230th National ACS Meeting, Washington, DC  
 231st National ACS Meeting, Atlanta, Georgia  
 25th IUPAC Intern Conf on Biodiversity and Natural Products  
 232nd National ACS Meeting, San Francisco, California  
 234th National ACS Meeting, Boston, Mass.  
 235th National ACS Meeting, New Orleans, Louisiana  
 236th National ACS Meeting, Philadelphia, Pa.  
 240 th National ACS Meeting, Boston, Mass.

## TEACHING EXPERIENCE

### Ohio State University

General Chemistry  
 Qual. Organic Laboratory  
 Chemistry of Strained Bicyclic Compounds  
 Photochemistry of Organic Compounds  
 Free Radical Chemistry  
 Heterocyclic Chemistry

### State University of New York at Buffalo

Organic Chemistry (Undergraduate Level)	Chem. 201-202
Mechanistic Photochemistry	Chem. 514
Synthesis and Stereochemistry	Chem. 456
Advanced Organic Chemistry	Chem. 501
Structure and Mechanism	Chem. 455

### Emory University

Heterocyclic Chemistry	Chem. 471g
Introductory Organic Chemistry	Chem. 122
Advanced Synthetic Chemistry	Chem. 321
Frontier M.O. Theory	Chem. 471
New Methods in Synthesis	Chem. 471
Organic Photochemistry	Chem. 471g
Physical Organic Chemistry	Chem. 521
Chemistry of Free Radicals	Chem. 471g
Synthetic Methods	Chem. 522
Organic Spectroscopy	Chem. 326

**GRADUATE RESEARCH STUDENTS**

<i>Graduate Research Students</i>	<i>Degree</i>	<i>Univ.</i>	<i>Year</i>	<i>Company</i>
Hartman, Richard	Ph.D.	OSU	1966	3 M Co.
Hamilton, Lewis	Ph.D.	OSU	1967	Eastman Kodak
Gruber, Robert	Ph.D.	SUNY	1968	Xerox Corp.
Eisenhardt, William	Ph.D.	SUNY	1969	Union Carbide
Alexander, Edward	Ph.D.	SUNY	1969	Univ. California San Diego
Eastman, David	Ph.D.	SUNY	1970	Hooker Chem. Co.
Jonak, Michael	MS	SUNY	1970	MS
Battisti, Angelo	Ph.D.	SUNY	1971	G.A.F.
Pashayan, Deran	Ph.D.	SUNY	1971	EPA-Washington, D.C.
Cimiluca, Paul	MS	SUNY	1971	Law School
Architzel, Milton	MS	SUNY	1971	Medical School
Eisenberg, Walter	Ph.D.	SUNY	1972	Illinois Inst. Technology
Glazer, Edward	Ph.D.	SUNY	1972	deceased
Albrecht, Fred	Ph.D.	SUNY	1972	Eastman Kodak
Vega, Eligio	Ph.D.	SUNY	1972	Prof. Univ. Panama
Crosby, Karen	MS	SUNY	1973	Housewife
Smolanoff, Joel	Ph.D.	SUNY	1973	Professor at Ross Univ School of Medicine
Wetmore, Stanley	Ph.D.	SUNY	1973	deceased
Brodsky, Lee	Ph.D.	SUNY	1973	Esson Research Co.
Gehrlein, Lane	Ph.D.	SUNY	1974	American Cyanamide Co.
Chen, Edward	MS	SUNY	1974	Hoffman LaRoche
Au, Andy	Ph.D.	SUNY	1975	Dow Chem.
Koehn, William	Ph.D.	SUNY	1975	Instructor-SUNY Buffalo
Mazzu, Arthur	Ph.D.	SUNY	1976	UpJohn Co.
Tremper, Alan	Ph.D.	SUNY	1976	Smith, Kline and French
Owens, William	Ph.D.	SUNY	1976	Abbott Labs
Frade, George	MS	SUNY	1977	Eastman Kodak
Carlsen, Per	Ph.D.	SUNY	1977	Univ. of Norway
Ku, Audrey	Ph.D.	SUNY	1978	Monsanto Chem. Co.
Blacklock, Thomas	Ph.D.	SUNY	1978	Novartis Pharmaceuticals
Brookhart, Todd	Ph.D.	SUNY	1978	Chevron Chem. Co.
Loza, Roman	Ph.D.	SUNY	1979	Sohio Chem. Co.
Nahm, Steven	Ph.D.	SUNY	1979	Hercules Chem. Co.
Ku, Hao	Ph.D.	SUNY	1979	Taiwan Univ
Pulwer, Mitchell	Ph.D.	SUNY	1979	Monsanto Chem. Co.
Chou, Chuen	Ph.D.	SUNY	1980	Rohm and Haas
Rieker, William	Ph.D.	SUNY	1980	Merck Sharp and Dohme
Cordova, Diana	Ph.D.	Emory	1981	Ciba Vision, Texas
Cohen, Leslie	Ph.D.	Emory	1981	Rohm and Hass Co.
Kulkarni, Yashwant S.	Ph.D.	Emory	1982	Aldrich Chem. Co.
Rosenthal, Robert J.	Ph.D.	Emory	1982	Nicolet Co.
Goldstein, Stephen	Ph.D.	Emory	1982	A. Stevens Co.
Tohidi, Mary	Ph.D.	Emory	1983	Univ.of California at San Diego
Kennedy, Davon	Ph.D.	Emory	1983	Georgia State Univ., Prof.
Lim, Richard	Ph.D.	Emory	1983	Allied Chem. Co.
Wong, George	Ph.D.	Emory	1984	Sandoz Corp.
Koehler, Konrad	Ph.D.	Emory	1984	IRBM Pharmaceutical,
Wisnieff, Tom	Ph.D.	Emory	1985	Stock Broker,
Dent, William	Ph.D.	Emory	1986	Dow Agrosiences,

Wannamaker, Woods	Ph.D.	Emory	1986	Vertex Corporation
Terry, Lenny	Ph.D.	Emory	1986	Ciba Vision
Gasdaska, John	Ph.D.	Emory	1987	University of Arizona
Norman, Bryan	Ph.D.	Emory	1989	Eli Lilly Co,
Yeske, Phil.	Ph.D.	Emory	1989	Bayer Industries,
Venkatramanan, M. K.	Ph.D.	Emory	1989	Pierce Chemical Co.
Zhi, Lin	Ph.D.	Emory	1990	Ligand Corp,
Bullock, Bill	Ph.D.	Emory	1990	BMS Pharmaceuticals
Murphree, Shaun	Ph.D.	Emory	1990	Alleghany College, Meadville, Pa
Krumpe Keith	Ph.D.	Emory	1991	Univ North Carolina Asheville, Asst. Prof.
Susan Hornbuckle	Ph.D.	Emory	1991	Instructor, Kennesaw College
Zhijie Zhang	Ph.D.	Emory	1991	Versicor Pharmaceuticals
Donald Hertzog	Ph.D.	Emory	1992	Galaxo-Wellcome Pharmaceuticals
Michelle Filipkowski	Ph.D.	Emory	1992	Witco Organic Silicon Group
Jamal. M. Kassir	Ph.D.	Emory	1992	Encysive Pharmaceuticals
William R. Nadler	Ph.D.	Emory	1993	Serono Pharmaceutical Research Institute
David R. Austin	Ph.D.	Emory	1993	Associate Professor, Yale University
Laura Precedo	Ph.D.	Emory	1993	Miami Community College
Steve Coates	Ph.D.	Emory	1994	R. W. Johnson Co
Scott Watterson	Ph.D.	Emory	1995	Bristol Meyers Squibb Pharmaceutical
Mark A. Semones	Ph.D.	Emory	1995	SKB Pharmaceuticals
Joe Marino	Ph.D.	Emory	1995	SKB Pharmaceuticals
David Weingarten	Ph.D.	Emory	1996	AtheroGenics, Inc.
Alan Price	Ph.D.	Emory	1996	SKB Pharmaceuticals
Erin Curtis	Ph.D.	Emory	1997	R.W Johnson Co
Jeff Kuethe	Ph.D.	Emory	1997	Merck Labs, Rahway, NJ
Scott Sheehan	Ph.D.	Emory	1998	Eli Lilly Labs, Indianapolis, In
Mike Brodney	Ph.D.	Emory	1998	Pfizer Global, Groton, Ct.
Tianhua Wu	Ph.D.	Emory	1999	Business Software Consultant, Atlanta
Alex Waterson	Ph.D.	Emory	1999	Galaxo-Wellcome Pharmaceuticals
Kim Worsencroft	Ph.D.	Emory	1999	AtheroGenics, Inc.
Tom Reger	Ph.D.	Emory	1999	Merck Labs, LaJolla, Ca.
Bing Liu	Ph.D.	Emory	2000	Galaxo-Wellcome Pharmaceuticals
Chris Straub	Ph.D.	Emory	2000	Novartis Pharmaceutical Company
Cheryl Eidell	Ph.D.	Emory	2001	University of North Carolina
John Ginn	Ph.D.	Emory	2002	Boehringer-Ingelheim, Ct
Steven Lynch	Ph.D.	Emory	2002	Roche Pharmaceuticals, Palo Alto, CA
Michael Cassidy	Ph.D.	Emory	2004	BMS Process Rresearch, New Brunswick, NJ
Qiu Wang	Ph.D.	Emory	2005	Harvard University, Cambridge, Mass.
Jose Meija	Ph.D.	Emory	2006	University of Minnesota, Minneapolis, Mn
Hongjun Zhang	Ph.D.	Emory	2006	Scripps Institute, San Diego, Ca.
Mickea Rose	Ph.D.	Emory	2006	Scripps Institute Oceanography, San Diego, Ca.
Andrew Flick	Ph.D.	Emory	2008	Pfizer Research, Groton, Ct
Carolyn Leverett	Ph.D.	Emory	2008	Texas A&M University, Texas
Jutatip Boonsombat	Ph.D.	Emory	2008	Chulalongkorn Univ, Thailand

#### Postdoctoral Research Fellows

Clasen, Robert	SUNY	1966	Deceased
Bergmark, William	SUNY	1969	Prof.-Ithaca College
Das, N. C.	SUNY	1969	Canada
Clough, Stuart	SUNY	1971	Professor Univ. Richmond

Singh, Piarra	SUNY	1971	Professor, India
Masaracchia, Joseph	SUNY	1972	Roswell Park
Dharan, Muharli	SUNY	1973	Univ. Pittsburg Med School
Lee, George	SUNY	1973	Dow Chemical
Dean, David	SUNY	1973	Dupont
Oine, Toyonari	SUNY	1974	Japan
Dehm, David	SUNY	1975	Union Carbide
Rasmussen, Jerald	SUNY	1975	3M Co.
DeJonge, Tina	SUNY	1975	Netherlands
Kamigata, Nobumasa	SUNY	1976	Univ. Tokyo -Professor
Lee, Hak-ki	SUNY	1975	Kyungpook Univ. Professor
Wubbels, Gene	SUNY	1975	Grinnel College Professor
Sato, Eisuke	SUNY	1976	Univ. Sendai, Instructor
Hatanaka, Naota	SUNY	1978	Tokyo Metropolitan, Instructor
Kessar, Satinder	SUNY	1977	Professor, Chanidarjh Univ. India
Nobs, Frederick	SUNY	1977	Univ. of Geneva
Gingrich, Henry	SUNY	1978	Princeton University
Mullick, M.	SUNY	1979	Poona Univ.
Caruso, T.	Emory	1980	Dupont Chem. Co.
Akiba, M.	Emory	1980	Tokyo Metropolitan Univ.
Kumagai, Y.	Emory	1980	Tohoku Univ.
Rodriguez, A.	Emory	1982	Kimberly-Clark
Fisera, Lubor	Emory	1982	Univ. of Bratislavia
McDonald, J.	Emory	1981	Kimberly-Clark
Woolhouse, T.	Emory	1982	Dept. of Scientific and Industrial Research,
Tomas, Miguel	Emory	1983	Spain
Chen, Quinghua	Emory	1982	Republic of China
Walsh, Edward	Emory	1983	Professor, Alleghany College
Haffmanns, Gunter	Emory	1984	Hamburg Police Force, Germany
Chen, Yon-Yih	Emory	1984	Abott Labs, Chicago
Filho, Pedro	Emory	1984	Brazil
Eisenbarth, Philipp	Emory	1984	BASF, Germany
Rebello, Hector	Emory	1984	Puerto Rico
Nimmesgern, Hildegard	Emory	1985	Germany
Chiacchio, Ugo	Emory	1985	Associate, Prof. Univ of Catania, Italy
Carter, Steven	Emory	1985	Shell Oil, Netherlands
Stull, Paul	Emory	1986	SynVar. Inc
Perumatten, John	Emory	1986	Scios, Inc.
Dyszlewski, Andrew	Emory	1986	Monsanto
Tomioka, Yukihito	Emory	1986	Japan
Fryxell, Glen	Emory	1987	Batelle Research Institute
Mowlem, Tim	Emory	1988	England
Schoffstall, Allen	Emory	1989	Univ of Colorado at Colorado Springs
Dean, Dennis	Emory	1989	Merck Sharp and Dohme
Chinn, Richard	Emory	1989	Allied Chemical
Harrison, Brian	Emory	1989	Ciba Geigy, Ireland
Garreau, Yves	Emory	1990	Merck Frosst, Canada
Kinder, Fred	Emory	1991	Sandoz Chemicals
Matsushima, Ryokan	Emory	1990	Japan
Muller, Cheryl	Emory	1991	University of Wisconsin at Oclair
Ishida, Masaru	Emory	1991	Japan



Xu, Simon	Emory	1992	DuPont Agricultural Group
Osterhaut, Martin	Emory	1993	Galaxo-Wellcome Pharmaceuticals
Harring, Scott	Emory	1993	Tycohealthcare, Mallinckrodt
Hadjiarapoglou, Lazaros	Emory	1992	University of Ioannina, Greece
Fairfax, David	Emory	1993	Albany Research Intitute
Ni, Zhijie	Emory	1993	Affymax Research Institute
Meske, Michael	Emory	1993	University of Aachen, Germany
Sandanayaka, Vincent	Emory	1994	Decode Genetics
Lipka, Helmut	Emory	1994	Germany
Williamson, Bobby	Emory	1995	Georgia Pacific Co.
Cochran, John	Emory	1996	Vertex Corporation
Kim, Inkyu	Emory	1995	Sung Kyuin Kwan University, Korea
Kappe, Oliver	Emory	1996	University of Graz, Austria
Hennig, Rudiger	Emory	1996	Germany
Sa, Marcus	Emory	1996	University of Florianapolis, Brazil
Prein, Michael	Emory	1996	BASF, Germany
Dimitroff, Martin	Emory	1997	Cell Therapeutics, Inc.
Heidelbaugh, Todd	Emory	1997	Allergan Corp
Raab, Conrad	Emory	1997	Merck Labs Radiolabeling
Beall, Scott	Emory	1998	R. W. Johnson Pharmaceuticals
Kissel, William	Emory	1998	Pfizer Pharmaceuticals Ann Arbor
Kyosuke Satake	Emory	1998	Okayama University, Japan
McClure, Michael	Emory	1998	Galaxo Welcome Pharmaceuticals
Callaghan, Owen	Emory	1998	Eli Lilly Research Labs, Windlesham, UK
Palmer, Matt	Emory	1999	United Kingdom
Danca, Diana	Emory	1999	Millenium Pharmaceuticals, Boston, Mass
Hasegawa, Tadashi	Emory	1999	Tokyo Gakugei University, Japan
Zanka, Atsuhiko	Emory	1999	Fujisawa Chemical Co, Japan
Schmidt, Andreas	Emory	1999	University of Clausthal, Germany
Stengl, Thomas	Emory	2000	Altana Pharma AG, Germany
Garnett, Alasadair	Emory	2000	United Kingdom
Mi, Baoyu	Emory	2001	CB Research and Development
Bur, Scott	Emory	2002	Asst. Professor, Gustavus Adolphus College,
Harris, Joel	Emory	2002	Schering-Plough Pharmacy
Crawford, Ken	Emory	2002	Gilead Sciences, Inc., Ca.
Paitoon Rashatasakhon	Emory	2004	Asst Professor, Chulalongkorn Univ, Thailand
Mauricio Guimar Fonseca	Emory	2003	University of Rio de Janeiro, Brazil
Jerremey Willis	Emory	2003	Asst Professor, Morehouse College, Atlanta, Ga
Hyoung Ik	Emory	2004	Scynexis Pharmaceuticals
Ayse Ozdemir	Emory	2004	Asst. Professor, Istanbul Teknik University
Shinji Nara	Emory	2004	Pharm Institute, Kyowa Hakko Kogyo, Japan
Chad Sterman	Emory	2005	Asst. Professor, Missouri State University
Maria Jose Arevalo Caballero	Emory	2005	Universidad de Extremadura, Spain
Edwin Mmutlane	Emory	2006	National Research Found., Pretoria, South Africa
Michael Wilson	Emory	2007	Theravance Pharmaceuticals
Stefan France	Emory	2007	Asst. Professor; Ga. Inst. of Technology
Nick Xuechuan	Emory	2007	Albany Molecular Science, NY
Dylan England	Emory	2008	Millenium Pharmaceuticals, Boston, Mass.
Majid Chughtai	Emory	2008	Shell Global Solutions, UK
Drew Bobeck	Emory	2008	RFS Pharma, Tucker, Ga.
Guido Verniest	Emory	2009	Asst. Professor, Ghent University, Belgium

Xingpo Wang	Emory	2009	Professor, Shandong Univ, Shandong, China
Sezgin Kiren	Emory	2010	Emory University
Gang Li	Emory	2010	Emory University
Hao Li	Emory	2010	Emory University

## INVITED LECTURES

Kent State University  
Bucknell College  
New York University (University Heights Campus)  
Pennsylvania State University  
State University of New York at Albany  
Brooklyn College  
University of Western Ontario  
Plenary Speaker Gordon Research Conference on Heterocyclic Chemistry (1967, 1971, 1977, 1983, 1991, 1997, 2007)  
Plenary Speaker Gordon Research Conference on Organic Photochemistry (1968, 1971)  
Union Carbide Corporation, Charleston, West Virginia  
Symposium on Photochemistry, 155th National ACS Meeting, San Francisco, California  
Louisiana State University in New Orleans  
St. Louis Section of the American Chemical Society  
Organic Chemists Club, Western New York  
Cornell University  
Lederle Labs (American Cyanamid Company)  
Ithaca College  
University of Rochester  
Columbia University  
Simon Fraser University  
University of Alberta  
DuPont Central Research Division  
Procter and Gamble Company  
University of Kentucky  
Polytechnic Institute of Brooklyn  
State University College at Geneseo  
Second International Congress of Heterocyclic Chemistry (Montpellier, France)  
Ohio State University  
University of Pennsylvania  
Syracuse University  
General Electric Professors Conference  
Rutgers University  
Georgia Institute of Technology  
McNeil Laboratories  
Hooker Chemical Corporation  
Hunter College  
Ciba Pharmaceutical Company  
University of Maryland  
Plenary Speaker 3rd IUPAC Meeting in Photochemistry (St. Moritz, Switzerland)  
Institute Ruder Boskovic (Zagreb, Yugoslavia)  
University of Florida  
State University of New York at Stony Brook

University of Miami  
Colorado State University  
York University (Toronto, Canada)  
161st American Chemical Society Meeting (Invitation by Executive Committee)  
Pfizer Pharmaceuticals  
University of Colorado  
12th Annual Medicinal Chemistry Symposium at SUNY/Buffalo  
Third International Congress of Heterocyclic Chemistry, (Sendai, Japan)  
University of Kyoto (Japan)  
University of Tokyo (Japan)  
162nd ACS Meeting (Plenary Lecture on Small Ring Heterocycles)  
3rd Northeast Regional ACS Meeting (Symposia on Photochemistry)  
Rensselaer Polytechnic Institute  
Queens College  
Rockefeller University  
University of Akron  
University of Cincinnati  
Michigan State University  
Wayne State University  
Yale University  
Plenary Speaker 4th IUPAC Symposium on Photochemistry (Baden-Baden, Germany)  
Czechoslovak Academy of Sciences (Prague)  
Central Research Institute of Hungarian Academy of Sciences  
University of Rochester (Symposia on Photochemistry)  
Xerox Corporation  
Boston University  
Dartmouth University  
Dow Chemical Company  
Harvard University  
Brandeis University  
University of Zurich (Switzerland)  
Swiss Federal Institute (ETH, Zurich, Switzerland)  
University of Copenhagen (Denmark)  
University of Louvain (Belgium)  
University of Geneva (Switzerland)  
University of Basel (Switzerland)  
Weizmann Institute (Israel)  
University of Negev-Baer-Sheva (Israel)  
Tel Aviv University (Israel)  
Hebrew University (Israel)  
Hafia Technium (Israel)  
Merck Sharp and Dohme Pharmaceutical Company  
Manhattan College  
Allegheny College  
St. Bonaventure College  
Plenary Speaker Fifth Northeast Regional Meeting -  
Brown University  
Bell Telephone Central Research Laboratories  
Brock University  
University of Connecticut  
Georgia Institute of Technology

University of Minnesota  
University of Wisconsin  
3M Company  
Plenary Lecturer Lakeland Meeting on Heterocyclic Chemistry, Grasmere, UK  
University of California at Los Angeles  
University of California at Riverside  
University of Southern California  
University of Pittsburgh  
Rochester ACS Photochemical Symposium  
University of Windsor  
Brandeis University  
Allied Chemical Corporation  
Hoffman LaRoche Co.  
Cornell University  
University of Toronto  
Ithaca College  
Ciba-Geigy Research Center, Bombay (India)  
Indian Institute of Technology, Bombay (India)  
National Chemical Laboratory, Poona (India)  
University of Madras, Madras (India)  
Indian Institute of Technology, Madras (India)  
Indian Institute of Science, Bangalore (India)  
Regional Research Laboratory, Hyderabad (India)  
Indian Institute of Technology, Kampur (India)  
Drug Research Institute, Lucknow (India)  
Delhi University, Delhi (India)  
Emory University  
University of Puerto Rico  
Diamond Shamrock Chemical Corp.  
University of Rochester  
University of Cincinnati  
Seton Hall University  
Fordham University  
Georgetown University  
University of Claude Bernard, Lyons (France)  
University of Grenoble, Grenoble (France)  
University of Rennes, Rennes (France)  
Ecole Supérieure de Chimie, Montpellier (France)  
University of Catania, Catania (Italy)  
University of Milan, Milan (Italy)  
University of Munich, Munich (Germany)  
University of Bern, Bern (Switzerland)  
University of Fribourg, Fribourg, (Switzerland)  
Ecole Supérieure de Chimie de Mulhouse, Mulhouse (France)  
Max-Planck Institut für Strahlenchemie, Mulheim (Germany)  
University of Geneva, Geneva (Switzerland)  
Plenary Lecturer Ylide Symposium, 176th American Chemical Society Meeting  
State University of New York at Binghamton  
New York University  
Kent University  
Yale University

FMC Corporation  
Bowling Green University  
University of Pennsylvania  
John Hopkins University  
Georgia Institute of Technology  
University of Virginia  
Plenary Lecturer Mardi Gras Symposium - Louisiana State University, Baton Rouge  
Coca Cola Institute  
Clemson University  
Plenary Speaker Strain Ring Symposium, American Chemical Society, Las Vegas, Nevada  
4th Gulf Coast Conference, Pensacola, Florida  
University of Georgia  
Virginia Military Institute  
Western Florida University  
Schering Laboratories  
University of Chicago  
St. Louis ACS Section  
Sixth Conference on Structure-Energy Relationships, Atlanta, Ga.  
Rohm and Haas Research Corp.  
8th IUPAC Conference on Photochemistry, Seefeld (Austria)  
University of Pittsburgh  
Duke University  
University of North Carolina at Chapel Hill  
Southeast-Southwest Regional Meeting, New Orleans, Louisiana  
University of Utah  
Plenary Lecturer Gordon Research Conference on Heterocyclic Chemistry  
Pfizer Research Corp.  
Great Lakes Regional American Chemical Society Meeting  
University of Maryland  
NSF Workshop on Reactive Intermediates  
USV Laboratories - Revlon Health Care Group  
UpJohn Chemical Company  
Florida State University  
University of New Orleans  
Univ. of California at Los Angeles  
Stanford University  
University of California at Irvine  
University of California at Santa Cruz  
Louisiana State University  
California Institute of Technology  
University of California at Berkeley  
Stanford Research Institute  
Plenary Lecturer 9th IUPAC Conference on Photochemistry, Pau (France)  
Lederle Labs American Cyanamid  
University of Wisconsin  
Auburn University  
University of Wurzburg, West Germany  
University of Bonn, West Germany  
University of Hannover, West Germany  
Georg-August University of Gottingen, West Germany  
Ruhr University of Bochum, West Germany

University of Kaiserslautern, West Germany  
Royal Society of England Annual Chemical Congress, Lancaster, England  
Pfizer Chemical Corp., Sandwich, England  
University of Pierre and Marie Curie, Paris, France  
Plenary Lecturer 28th National Organic Symposium, Bozeman, Montana  
Plenary Lecturer 9th Colloquium on Heterocyclic Chemistry, Brussels, Belgium  
Schering Corporation  
E. I. Dupont de Nemours Co.  
Purdue University  
University of Florida  
Oak Ridge National Laboratories  
University of Tennessee  
Montana State University  
Sankyo Pharmaceutical Labs, Japan  
Tsukuba University, Japan  
Tokyo Metropolitan University, Japan  
Tokyo Pharmaceutical College, Japan  
Nippon Kayaku Pharmaceutical Labs, Japan  
Tohoku University, Japan  
Hokkaido University, Japan  
Japanese Chemical Society Annual 1984 Meeting  
Ehime University, Japan  
Kyushu University, Japan  
Nagoya University, Japan  
Tanabe Seiyaku Pharmaceutical Labs, Japan  
Kyoto University, Japan  
Peking University, China  
Beijing Research Institute of Pharmaceutical Industries, China  
Institute of Photographic Chemistry, Academia Science, China  
Peking Normal University, China  
Plenary Lecturer Gordon Research Conference on Reaction Mechanism and Processes  
Rensselaer Polytechnic Institute  
University of Notre Dame  
Philadelphia Organic Chemist Club  
University of South Carolina  
New York Academy of Sciences  
Tulane University  
University of South Florida  
New York University  
University of Central Florida  
University of Wurzburg, West Germany  
University of Munich, West Germany  
Centre National de la Recherche Scientifique, Paris, France  
University of Pavia, Italy  
University of Sienna, Italy  
University of Catania, Italy  
University of Padua, Italy  
University of Ferrara, Italy  
Plenary Speaker Strain Ring Symposium-Perkin Division-Chemical Society, England  
Plenary Speaker 10th International Conference on Heterocyclic Chemistry, Waterloo, Canada  
University of Rochester

Pennwalt Pharmaceutical Company  
University of Michigan  
Plenary Lecturer Free Radical Symposium, Salt Lake City, Utah  
12th International Sulfur Symposium, Nijmegen, Holland  
3M Chemical Company, Minneapolis  
University of Minnesota, Minneapolis  
Plenary Speaker 9th Gulf Coast Conference, Pensacola, Florida  
University of Alabama  
Pfizer Chemical Company  
Plenary Speaker Physical Organic Zimmerman Symposium, University of Wisconsin  
10th Senior Technical Meeting of the American Chemical Society, Puerto Rico Section  
University of Puerto Rico - Humacao College  
Catholic University of Puerto Rico at Ponce  
John Hopkins University  
194th ACS Meeting in Denver  
Hebrew University  
Bar-Ilan University  
University of Tel Aviv  
Hebrew Technological Institute Haifa  
Weizmann Institute  
Plenary Lecturer Italian Heterocyclic Chemistry Conference - Messina (Italy)  
University of Richmond  
Southeast Regional ACS Meeting in Orlando, Florida  
G. D. Searle Co., Skokie, Illinois  
Plenary Lecturer Japan-U.S.A. Pharm. Sci. 1987 Conference, Honolulu, Hawaii  
University of Auckland, New Zealand  
Department of Scientific and Industrial Research, Wellington, New Zealand  
Victoria University, Wellington, New Zealand  
University of Canterbury, Christchurch, New Zealand  
Florida Institute of Technology  
Brigham Young University  
Columbia University  
University of Montreal  
State University of New York at Buffalo  
University of Chicago  
Eastman Kodak Co., Kingsport, Tennessee  
Third Chemical Congress of North America, Toronto, Canada  
Monsanto Chemical Company, St. Louis, Missouri  
Plenary Lecturer Italian Chemical Society Pericyclic Reactions, Catania, Italy  
3rd Symposium on Latest Trends in Organic Synthesis, VPI, Virginia  
Plenary Lecturer Rhone Poulenc 11th Scientific Round Table, Versailles, France  
Southeast American Chemical Society Meeting, Atlanta, Georgia  
Georgia State University  
North Carolina State University  
University of Florida  
Anaquest Boc Pharmaceutical Co.  
Syracuse University  
Plenary Lecturer 9th Lakeland Heterocyclic Conference, Grasmere, England  
University of Montreal, Montreal, Canada  
197th ACS Meeting, Dallas, Texas  
Ciba Geigy Pharmaceuticals, Basel, Switzerland

12th International Conference on Heterocyclic Chemistry, Jerusalem, Israel  
Symposium 1989 Southeast Regional Meeting, Winston, Salem  
Symposium 1989 Southwest Regional Meeting, Baton Rouge, Louisiana  
Vanderbilt University, Nashville, Tenn.  
Plenary Lecturer 1989 International Symposium on Carbenes, Kyoto, Japan  
Plenary Speaker 1989 Pacific Chem Symposium on Photochemistry, Honolulu, Hawaii  
Plenary Speaker 1989 Pacific Chem Symposium on Strain Effect, Honolulu, Hawaii  
Florida State University, Tallahassee, Florida  
Smith Kline and Beckmann Pharmaceutical Labs  
Parke Davis Pharmaceutical Labs  
Stanford University, Palo Alto, California  
Merck Sharp and Dohme Research Labs, Rahway, N.J.  
Plenary Speaker EUCHEM Conference on 1,3-Dipoles in Heterocyclic Synthesis, Galway, Ireland  
Dow Elanco Research Labs, Greenfield, Indiana  
Plenary Lecturer - Heterocyclic Symposium, ACS Meeting, Washington D.C.  
Pfizer Pharmaceuticals, Canterbury England  
Trinity University, Dublin Ireland  
Cambridge University, Cambridge England  
University of Loughborough, Loughborough England  
Oxford University, Oxford England  
University of Liverpool, Liverpool England  
University of Newcastle, Newcastle upon Tyne England  
University of Glasgow, Glasgow Scotland  
University of Edinburgh, Edinburgh Scotland  
Imperial College of Technology, London England  
Beecham Pharmaceuticals, Epsom England  
Memphis State University, Memphis, Tenn.  
1990 Southern Chemist Award Symposium, Memphis ACS Section  
Plenary Speaker Southeast-Southwest American Chemical Society Gary Griffin Memorial  
Symposium, New Orleans, Louisiana  
Frontiers in Chemistry Symposium, Emory University  
American Cyanamid Co., Agricultural Division, Princeton, New Jersey  
Eli Lilly Research Labs, Indianapolis, Indiana  
Eli Lilly Tippecanoe Labs, Lafayette, Indiana  
University of North Dakota, Fargo, North Dakota  
University of Minnesota, Minneapolis, Minnesota  
Plenary Speaker Great Lake Regional 1991 ACS Meeting, Indianapolis, Indiana  
Plenary Lecturer Gordon Research Conference on Heterocycles, New Hampton, NH  
13th International Congress of Heterocyclic Chemistry, Corvallis, Oregon  
Plenary Lecturer Fourth North American Chemical Society Meeting, New York, N.Y.  
Plenary Speaker 14th Gulf Coast Chemistry Conference, Pensacola, Florida  
Wake Forest University, Winston-Salem  
R. W. Johnson Pharmaceutical Company  
E. I. DuPont de Nemours Agricultural Chemical Co, Newark, Delaware  
Pfizer Chemical Company, Groton, Conn.  
Sterling Drug Inc, Rennselaer, NY  
State University of N.Y. at Albany, Albany, New York  
Pennsylvania State University, College Station, Pa.  
University of Maryland, College Park, Md.  
Michigan State University, East Lansing, Michigan  
Abbott Labs, Chicago, Illinois



Wyeth-Ayerst Labs, Princeton, NJ  
Plenary Lecturer Gordon Research Conference on Stereochemistry, Newport, RI  
Yale University  
University of Virginia  
University of Georgia  
Plenary Speaker 4th International Symposium on Heterocyclic Chemistry, Cairo Egypt  
University of Colorado  
Syntex Lecturer Colorado State University  
University of Cincinnati  
National Tsing Hua University, Taiwan  
National Taiwan University, Taiwan  
Academia Sinica of Taiwan, Taipei, Taiwan  
Rayson Huang Lecturer University of Hong Kong  
Chinese University of Hong Kong  
Boehringer-Ingelheim Pharmaceuticals, Ridgefield, Connecticut  
Pfizer Chemical Co., Groton, Ct.  
Merck-Frosst Pharmaceutical Co., Montreal, Canada  
14th International Congress of Heterocyclic Chemistry, Antwerp, Belgium  
Plenary Speaker 5th KISPOC Meeting on Physical Organic Chemistry, Fukuoka, Japan  
Warner-Lambert Pharmaceuticals, Holland, Michigan  
Parke-Davis Pharmaceutical Company, Ann Arbor, Michigan  
Boston University, Boston, Massachusetts  
Lilly Pharmaceutical Company, Lafayette, Indiana  
Wyeth-Ayerst, Princeton, New Jersey  
IRBM - Istituto di Ricerche di Biologia Molecolare, Pomezia, Italy  
3M Company, St. Paul, Minnesota  
Plenary Speaker 2nd Heron Island Meeting on Reactive Intermediates, Australia  
Plenary Speaker P. G. Gassman Memorial Symposium, National ACS Meeting, Washington, D.C.  
Schering Plough Research Institute, Kenilworth, N.J.  
Lilly Pharmaceutical Company Discovery and Process Research, Indianapolis, Indiana  
University of Würzburg, Würzburg, Germany  
Dow-Elanco Research Labs, Indianapolis, Indiana  
Bristol Myers Squibb Pharmaceuticals, Princeton, NJ  
Plenary Speaker Florida State University - Herz/Walborsky Symposium, Tallahassee, Fl.  
Ciba-Geigy Corporate Research Labs, Basel, Switzerland  
Keynote Lecturer - Electronic Conference on Trends in Organic Chemistry  
Plenary Speaker Royal Society of Chemistry Annual Chemical Congress, Edinburgh, Scotland  
Imperial College of Science and Technology, London, England  
Pfizer Ltd., Central Research Labs, Sandwich, England  
Plenary Speaker 12th Heterocyclic Lakeland Symposium, Grasmere, England  
Procter & Gamble Co., Miami Valley Labs, Cincinnati, Ohio  
Ciba-Geigy Research Labs, Summit, New Jersey  
Plenary Speaker 4th International Conference on Heteroatom Chemistry, Seoul, Korea  
15th International Congress on Heterocyclic Chemistry, Taipei, Taiwan  
Plenary Speaker Hong Kong International Symposium on Heterocyclic Chemistry, Hong Kong  
Wayne State University, Detroit, Michigan  
University of Michigan, Ann Arbor, Michigan  
University of Toledo, Toledo, Ohio  
Michigan State University, East Lansing, Michigan  
Parke-Davis Pharmaceuticals, Ann Arbor, Michigan  
Merck Inc., Rahway, New Jersey

University of Delaware, Newark, Delaware  
Boehringer Ingelheim, Danbury, Connecticut  
Hoechst-Marion Roussel Pharmaceuticals, Summerville, NJ  
Clemson University, Clemson, South Carolina  
University of South Carolina, Columbia, SC  
Glaxo Wellcome Corporation, Research Triangle Park, NC  
Bristol Myers Squibb Pharmaceuticals, Brunswick, NJ  
Plenary Speaker--Heterocyclic Symposium on Structures in Medicinal Chemistry, Palermo, Sicily  
University of Kaiserslautern, Kaiserslautern, Germany  
BASF Co., Ludwigshafen, Germany  
University of Graz, Graz, Austria  
Technical University of Vienna, Vienna, Austria  
University of Innsbruck, Innsbruck, Austria  
University of Ulm, Ulm, Germany  
Technical University of Darmstadt, Darmstadt, Germany  
Technische Universität Berlin, Berlin, Germany  
Plenary Speaker at 79th Canadian Society for Chemistry, Saint John, Newfoundland  
Bayer Pharmaceutical Corporation, New Haven, Connecticut  
Eastman Kodak Company, Weissberger-Williams Lecture Series, Rochester, New York  
Dupont-Merck Pharmaceuticals, Wilmington, Delaware  
University of North Carolina at Charlotte, ACS Stone award address - Carolina Piedmont Section  
G. D. Searle Pharmaceutical Company, Skokie, Illinois  
SKB Pharmaceuticals, King of Prussia, Pennsylvania  
Plenary Speaker at Abbott Process Research Symposium, North Chicago, Illinois  
University of Texas, Austin, Texas  
Novartis, Inc., East Hanover, New Jersey  
Zeneca Pharmaceuticals, Wilmington, Delaware  
Bristol-Myers Squibb Pharmaceutical Co., Princeton, NJ  
Plenary Speaker at the Gordon Research Conference on Heterocyclic Chemistry, Newport, R.I.  
16th International Congress on Heterocyclic Chemistry, Bozeman, Montana  
Abbott Labs, North Chicago, Illinois  
Dow-Chemicals, Midland, Michigan  
Sepracor Pharmaceuticals, Marlborough, Massachusetts  
Pharmacia & Upjohn Pharmaceutical Co., Kalamazoo, Michigan  
University of Arizona, Tucson, Arizona  
Hoffmann-La Roche Pharmaceutical Co, Nutley, New Jersey  
Dow Agrosiences, Indianapolis, Indiana  
Eastman Kodak Company, Rochester, New York  
University of Missouri, Columbia, Missouri  
American Cyanamid Co., Princeton, New Jersey  
Georgia State University, Atlanta, Georgia  
Hoffmann-La Roche Pharmaceutical Co, Basel, Switzerland  
Plenary Speaker at the 17th International Congress on Heterocyclic Chemistry, Vienna, Austria  
Plenary Speaker at the 216th Boston ACS - Symposium on Organometallic/Heterocyclic Chemistry  
University of Richmond, Richmond, Virginia  
R. W. Johnson Research Institute, Raritan, NJ  
University of Wisconsin, Madison, Wisconsin  
Rhone-Poulenc Rorer, Collegeville, Pennsylvania  
Albany Molecular Research, Albany, NY  
University of California at Berkeley, Berkeley, California  
University of Illinois at Chicago, Chicago, Illinois

University of Indiana, Bloomington, Indiana -- 1999 Ernest Campaigne Lecturer  
R. W. Johnson Research Institute, Springhouse, Pennsylvania  
State University of New York at Buffalo  
SmithKline Beecham, Harlow, England  
Astra-Zeneca, Loughborough, England  
Bristol Meyers Squibb, Wallingford, Connecticut  
University of Pennsylvania, Philadelphia, PA  
Smith Kline Beecham, King of Prussia, Pennsylvania  
Aventis Pharmaceuticals, Bridgewater, New Jersey  
Dupont Agrosiences, Newark, Delaware  
Oregon State University, Corvallis, Oregon  
University of California at Irvine, Irvine, California  
Bio-Mega Research Division of Boehringer Ingelheim, Montreal, Canada  
Merck Inc., Rahway, New Jersey  
Celltech-Chiroscience, Slough/Cambridge, England  
Pfizer Chemicals, Sandwich, England  
Novartis, Inc. Horsham, England  
Plenary Speaker at the 17th International Symposium on Sulfur Chemistry, Florence, Italy  
Biogen Pharmaceuticals, Cambridge, Massachusetts  
Plenary Speaker at 4th International Symp. on Aliphatic Diazo Compounds, St Petersburg, Russia  
Moscow State University, Moscow, Russia  
Plenary Speaker at Gordon Research Conference on Reactions and Organic Processes, Bristol, RI  
American Chemical Society Arthur C. Cope Scholar Award Presentation, Washington, DC  
Plenary Speaker at 8th Blue Danube Symposium on Heterocyclic Chemistry, Bled, Slovenia  
Novum Lecturer at the Karolinska Institutet, Stockholm, Sweden  
Plenary Speaker at Symposium on Organic-Bioorganic Chemistry; Bar-Ilan University, Israel  
University of South Florida, Tampa, Florida  
Hoffmann Roche Discovery Welwyn, England  
Merck Sharp & Dohme Research Labs, Terlings Park, Harlow, England  
Pacific Chem 2000 Symposium on the Use of Organometallics for Heterocyclic Synthesis, Honolulu  
4th Winter Conference on Medicinal and Biorganic Chemistry, Steamboat Springs, Colorado  
Agouron-Pfizer Global, LaJolla, California  
Plenary Speaker at 2nd Florida Heterocyclic Conference, University of Florida, Gainesville, Florida  
Lilly Pharmaceutical Company Discovery Research, Indianapolis, Indiana  
Plenary Speaker at Michael P. Cava Symposium at University of Alabama, Tuscaloosa, Alabama  
DuPont Pharmaceutical Research, LaJolla, San Diego, Ca.  
R. W. Johnson Pharmaceutical Research, LaJolla, San Diego, Ca.  
Novartis 2001 Chemistry Lecturer, Basel, Switzerland  
Novartis 2001 Chemistry Lecturer, Vienna, Austria  
18th International Congress on Heterocyclic Chemistry, Yokohama, Japan  
Plenary Speaker at New Synthetic Methods for Heterocyclic Compounds, Sendai, Japan  
Fujisawa Pharmaceutical Company, Osaka, Japan  
Plenary Speaker at 9th Brazilian Meeting on Organic Synthesis, Curitiba, Brazil  
University of Florianopolis, Brazil  
Millenium Pharmaceuticals, Boston, Mass  
Boston College, Boston, Mass.  
Brown University, Providence, Rhode Island  
Pfizer Global Research, Ann Arbor, Michigan  
Merck Research Labs, Westpoint, Pennsylvania  
Novartis 2001 Chemistry Lecturer, Summit, New Jersey  
Wyeth-Ayerst Research, Pearl River, New York

Amgen Pharmaceuticals, Thousand Oaks, California  
Plenary Speaker at Al Meyers Symposium 57<sup>th</sup> ACS Southwest Regional Meeting, San Antonio, Tx  
Plenary Speaker 12<sup>th</sup> Québec-Ontario Symposium in Synthetic Chemistry, Sherbooke, Canada  
AstraZeneca Pharmaceuticals, Inc., Montreal, Canada  
Amgen Pharmaceuticals, Boston, Massachusetts  
Plenary Speaker at 2002 Mona Symposium on Natural Products, Kingston, Jamaica  
Ohio State University; Columbus, Ohio  
John Hopkins University, Baltimore, Maryland  
Tulane University, New Orleans, Louisiana  
University of New Mexico, Albuquerque, New Mexico  
Gilead Sciences, Inc., San Francisco, Ca  
University of Rochester, Rochester, NY  
Bristol Meyers Squibb Pharmaceuticals, Princeton, NJ  
Plenary Speaker at 14<sup>th</sup> Int. Conferenece on Organic Synthesis, Christchurch, New Zealand  
Plenary Speaker at 6<sup>th</sup> Annual Procter & Gamble Organic Colloquium, Cincinnati, Ohio  
Novo Nordisk Pharmaceuticals, Copenhagen, Denmark  
Array Biopharma, Boulder, Colorado  
Bristol-Myers Squibb Lecturer at the Scripps Research Institute, La Jolla, CA  
AstraZeneca Pharmaceuticals, Montreal, Canada  
Dartmouth University, Hanover, New Hampshire  
Plenary Speaker at Pericyclic Reactions in Synthesis Symposium, Chemical Society, London, UK  
Genetics Institute, Boston, Massachusetts  
3-Dimensional Pharmaceuticals, Inc., Cranbury, New Jersey  
Plenary Speaker at the 6<sup>th</sup> Annual Pfizer Symposium in Puerto Rico, Rio Piedras, Puerto Rico  
Chiron Pharmaceuticals, Emeryville, California  
FMC Corporation, Princeton, NJ  
Universidad Autonoma de Madrid, Madrid, Spain  
Universidad Complutense de Madrid, Madrid, Spain  
Universidad de Santiago de Compostela, Santiago, Spain  
Universidad Autonoma de Barcelona, Barcelona, Spain  
Universidad Central de Barcelona, Barcelona, Spain  
Universidad de Sevilla, Sevilla, Spain  
19<sup>th</sup> International Society of Heterocyclic Chemistry Conferenece, Fort Collins, Colorado  
18<sup>th</sup> Annual W. S. Johnson Symposioium, Stanford University, Palo Alto, California  
Bayer Pharmaceuticals, New Haven, Connecticut  
Pennsylvania State University, College Station, Pennsylvania  
Genomics Institute of the Novartis Research Foundation, San Diego, Ca  
Schering-Plough Pharmaceuticals, Kenilworth, New Jersey  
2004 R. Lutz Lecturer at University of Virginia, Charlottesville, Virginia  
Plenary Speaker at the 5<sup>th</sup> Florida Heterocyclic Conference, Gainesville, Florida  
Princeton University, Princeton, New Jersey  
Pfizer Global Research, Ann Arbor, Michigan  
3M Pharmaceuticals, St. Paul, Minnesota  
Institute of Czechoslovakian Chemistry, Prague, Czechoslovakia  
Hungarian Academy of Sciences, Budapest, Hungary  
Slovak Technical University, Bratislava, Slovakia  
Plenary Speaker at the 10<sup>th</sup> French American Chemical Society Conference, Charleston SC  
Plenary Speaker at the 12<sup>th</sup> FECEM Conference on Heterocycles in Bio-organic Chem, Siena, Italy  
Plenary Speaker at the 21<sup>st</sup> International Conference on Organic Chemistry of Sulfur, Madrid, Spain  
Plenary Speaker at the 11<sup>th</sup> Latest Trends in Organic Synthesis Conference, St. Catharines, Canada  
Rutgers University, Piscataway, NJ

3M Distinguished Lecturer at the University of Western Ontario, London, Ontario, Canada  
Merck Process Laboratory, Rahway, New Jersey  
Procter & Gamble Pharmaceuticals, Mason, Ohio  
Ligand Pharmaceuticals, San Diego, California  
University of Melbourne, Melbourne, Australia  
Australian National University, Canberra, Australia  
University of New South Wales, Sydney, Australia  
University of Sydney, Sydney, Australia  
Commonwealth Scientific Industrial Research Organization (CSIRO), Clayton, Australia  
Sepracor Pharmaceuticals, Marlborough, MA  
University of Alberta, Edmonton, Alberta, Canada  
Scios Pharmaceuticals, Palo Alto, California  
GlaxoSmithKline Pharmaceuticals, Research Triangle Park, North Carolina  
Biogen Pharmaceuticals, Cambridge, Massachusetts  
Schering-Plough Pharmaceuticals Process Research, Union, New Jersey  
Hoffman-LaRoche, Inc., Nutley New Jersey  
Plenary Speaker at Italian Chemical Society-Synthesis with Heterocycles Conference, Siena, Italy  
Leroy H. Klemm Lecturer at University of Oregon, Eugene, Oregon  
Istanbul Technical University, Istanbul, Turkey  
Plenary Speaker at Gordon Research Conference on Heterocyclic Chemistry, 2006, Newport, RI  
Temple University, Philadelphia, Pa  
University of Texas at Arlington, Arlington, Texas  
Amgen Pharmaceuticals, Boston, Mass.  
University of Ottawa, Ottawa, Canada  
Keynote Speaker at 45<sup>th</sup> Annual Mikki Symposium, Kansas City, Kansas  
Plenary Lecturer - 18th Lakeland Heterocyclic Conference, Grasmere, England  
Plenary Lecturer - International Conference on Organic Chemistry, Erzurum, Turkey  
Plenary Lecturer - 3<sup>rd</sup> EuChem Conference on Pericyclic Reactions, Siracusa, Italy  
Invited Symposium Speaker on 60 Years Physical Organic Chemistry; ACS Meeting, Boston, Mass  
Novartis Pharmaceuticals, Cambridge, Mass.  
Merck Inc., Westpoint, New Jersey  
University of Kentucky, Lexington, Kentucky  
University of California at Irvine, Irvine, Ca.  
Sunesis Pharmaceuticals South San Francisco, Ca.  
Plenary Lecturer at the C. W. Rees Memorial Symposium, Imperial College, London, UK  
Roche Pharmaceuticals, Palo Alto, Ca.  
9<sup>th</sup> Annual Florida Heterocyclic and Synthetic Conference, Gainesville, Florida  
235<sup>th</sup> ACS National Meeting, Gupton Award Symposium Invited Speaker, New Orleans, LA.  
Invited 2008 Lecturer at the Academy of Sciences of the Czech Republic, Prague, Czech Republic  
Invited 2008 Lecturer European Federation for Medicinal Chemistry (EFMC), Urbino, Italy  
Institute for Research in Biomedicine, Barcelona Science Park, Barcelona, Spain  
2008 Journal of Organic Chemistry Symposium, Deer Valley, Utah  
University of Minnesota—Abbott Workshop, Minneapolis, Minnesota  
University of Arkansas, Fayetteville, Arkansas  
CINVESTAV – IPN Departamento de Quimica, Mexico City, Mexico  
Universidad de Guanajuato, Guanajuato, Mexico  
Indian Institute of Technology, Bombay, India  
Indian Institute of Science, Bangalore, India  
Jubilant Biosys Ltd., Bangalore, India  
National Institute of Pharmaceutical Education and Research (NIPER); Chandigarh, India  
University of Hyderabad, Hyderabad, India

Regional Research Laboratory (CSIR), Trivandrum, India  
Indian Institute of Technology, New Dehli, India  
Tieckelman Symposium plenary speaker, State University of New York at Buffalo, Buffalo, NY  
Humphrey Symposium Speaker at the University of Vermont, Burlington, Vt.  
University of Wisconsin, Department of Chemistry, Madison, Wisconsin  
University of Wisconsin, Pharmacy Medicinal Chemistry Department, Madison, Wisconsin  
Merck Labs Inc., Rahway New Jersey  
Gilead Sciences, Forest City, California  
Amgen, Inc., Thousand Oaks, California  
Xenon Pharma, Vancouver, Canada  
Boehringer Ingelheim, Laval, Quebec, Canada  
University of Sherbrooke, Quebec, Canada  
Plenary lecturer, 2nd ISOSDD2010 Meeting, Nanjing China  
Shanghai Institute of Chemistry, Shanghai, China  
Fudan University, Shanghai, China  
Zhejiang University, Hangzhou, China  
Peking University, Beijing, China  
Tsinghua University, Beijing, China  
Beijing Normal University, Beijing, China  
Chinese Academy of Sciences, Beijing, China  
26th Winter Meeting of the Norwegian Chemical Society, Oslo Norway  
Scripps Institute, Distinguished Lecture Series, La Jolla, California  
2011 Lecturer at the Leo A. Paquette Legacy Symposium, Ohio State University, Columbus, Ohio

## **2-Day Course on Heterocyclic Chemistry for Pharmaceutical Industry**

Pfizer Chemical Co., Groton, Ct.  
Merck-Frosst Pharmaceutical Co., Montreal, Canada  
Warner-Lambert Pharmaceuticals, Holland, Michigan  
Parke-Davis Pharmaceutical Company, Ann Arbor, Michigan  
Lilly Pharmaceutical Company, Lafayette, Indiana  
Wyeth-Ayerst, Princeton, New Jersey  
IRBM - Istituto di Ricerche di Biologia Molecolare, Pomezia, Italy  
3M Company, St. Paul, Minnesota  
Schering Plough Research Institute, Kenilworth, N.J.  
Lilly Pharmaceutical Company Discovery and Process Research, Indianapolis, Indiana  
Ciba-Geigy Corporate Research Labs, Basel, Switzerland  
Procter & Gamble Co., Miami Valley Labs, Cincinnati, Ohio  
Ciba-Geigy Research Labs, Summit, New Jersey  
Merck Inc., Rahway, New Jersey  
Boehringer-Ingelheim, Connecticut  
Hoechst-Marion Roussel Pharmaceuticals, Summerville, NJ  
Glaxo Wellcome Corporation, Research Triangle Park, NC  
Bayer Pharmaceutical Corporation, New Haven, Connecticut  
Dupont-Merck Pharmaceuticals, Wilmington, Delaware  
G. D. Searle Pharmaceutical Company, Skokie, Illinois  
SKB Pharmaceuticals, King of Prussia, Pennsylvania  
Novartis, Inc., East Hanover, New Jersey  
Bristol-Myers Squibb Pharmaceutical Co., Princeton, New Jersey  
Zeneca Pharmaceuticals, Wilmington, Delaware  
Abbott Labs, North Chicago, Illinois

Dow-Chemicals, Midland, Michigan  
Sepracor Pharmaceuticals, Marlborough, Massachusetts  
Pharmacia & Upjohn Pharmaceutical Co., Kalamazoo, Michigan  
Hoffmann-La Roche Pharmaceutical Co, Nutley, New Jersey  
Dow Agrosiences, Indianapolis, Indiana  
Eastman Kodak Company, Rochester, New York  
American Cyanamid Co., Princeton, New Jersey  
Hoffmann-La Roche Pharmaceutical Co, Basel, Switzerland  
Rhone-Poulenc Rorer, Collegeville, Pennsylvania  
Albany Molecular Research, Albany, NY  
R. W. Johnson Research Institute, Springhouse, Pennsylvania  
Smith Kline Beecham, Harlow, England  
Astra-Zeneca, Loughborough, England  
Millenium, Arguele and Vertex Boston Heterocyclic Chemistry Short Course  
Bio-Mega Research Division of Boehringer Ingelheim, Montreal, Canada  
Celltech-Chiroscience, Slough/Cambridge, England  
Pfizer Chemicals, Sandwich, England  
Biogen Pharmaceuticals, Cambridge, Massachusetts  
Hoffmann Roche Discovery Welwyn, England  
Merck Sharp & Dohme Research Labs, Terlings Park, Harlow, England  
Allergan, Chugaibio and Celgene, San Diego Heterocyclic Chemistry Short Course, San Diego, CA  
Agouron-Pfizer Global, LaJolla, California  
Amgen Pharmaceuticals, Thousand Oaks, California  
Lilly Pharmaceutical Company Discovery Research, Indianapolis, Indiana  
DuPont Pharmaceutical Research, LaJolla, San Diego, Ca.  
R. W. Johnson Pharmaceutical Research, LaJolla, San Diego, Ca.  
Pfizer Global Research, Ann Arbor, Michigan  
Amgen Pharmaceuticals, Boston, Massachusetts  
Mitotix, Cubist and EPIX Medical, Heterocyclic Chemistry Short Course, Boston, Massachusetts  
Cytokinetics, Essential Therapeutics, Heterocyclic Chemistry Short Course, San Francisco, CA  
Gilead Sciences, Inc. Forster City, Ca  
Novo Nordisk Pharmaceuticals, Copenhagen, Denmark  
Array Biopharma, Boulder, Colorado  
Astra-Zeneca Pharmaceuticals, Montreal, Quebec, Canada  
Wyeth-Ayerst Pharmaceuticals-Genetics Institute, Boston, Massachusetts  
3-Dimensional Pharmaceuticals, Inc., Cranbury, New Jersey  
Chiron Pharmaceuticals, Emeryville, California  
Genomics Institute of the Novartis Research Foundation, San Diego, Ca  
3M Pharmaceuticals, St. Paul, Minnesota  
Merck Process Laboratory, Rahway, New Jersey  
Procter & Gamble Pharmaceuticals, Mason, Ohio  
ESPCI Ecole Supérieure de Physique et de Chimie Industrielles, Paris France  
Biogen Pharmaceuticals, Cambridge, Massachusetts  
Pfizer-La Jolla, Johnson and Johnson PRD, Kemia, Inc.; Heterocyclic Short Course, San Diego, CA  
Schering Plough Research Institute, Kenilworth, N.J.  
Amgen Pharmaceuticals, Boston, Mass.  
Infinity Pharmaceuticals-AstraZeneca; Heterocyclic Short Course, Dedham, Mass.  
Novartis Institute for BioMedical Research, Cambridge, Mass.  
Roche Pharmaceuticals, Palo Alto, Ca.  
Xenon Pharma, Vancouver, Canada