

## CURRICULUM VITAE

**Amos B. Smith, III** – Department of Chemistry, Monell Chemical Senses Center, and Laboratory for Research on the Structure of Matter, University of Pennsylvania Philadelphia, PA 19104-6323

### Education

- 1962-1966 B.S.-M.S. combined degree, Bucknell University. Advisor: Professor Harold W. Heine.
- 1966-1967 First Year - Medical School, The University of Pennsylvania.
- 1967-1972 Ph.D. - The Rockefeller University. Advisor: Professor William C. Agosta.

### Academic Appointments

- 1972-1973 Research Associate, The Rockefeller University with Professor William C. Agosta.
- 1973-1978 Assistant Professor of Chemistry and Assistant Member, Department of Chemistry and the Monell Chemical Senses Center, University of Pennsylvania.
- 1978-1981 Associate Professor of Chemistry and Associate Member, Department of Chemistry and the Monell Chemical Senses Center, University of Pennsylvania.
- 1981-present Professor of Chemistry and Member, Department of Chemistry and the Monell Chemical Senses Center, University of Pennsylvania.
- 1980 (Spring) Visiting Associate Professor, Department of Chemistry, Columbia University.
- 1982 (Fall) Visiting Professor of Chemistry, Department of Organic and Theoretical Chemistry, Cambridge University.
- 1988-1996 Chairman, Department of Chemistry, University of Pennsylvania.
- 1990-present Rhodes-Thompson Professor of Chemistry, Department of Chemistry, University of Pennsylvania.
- 1990-present Visiting Director, Kitasato Institute, Tokyo, Japan.
- 1999-present Founding Editor-in-Chief, *ACS Organic Letters*
- 2000 (Spring) Visiting Professor, Department of Chemistry, University of Auckland, New Zealand
- 2005-2009 Associate Director, Penn Center for Molecular Discovery, University of Pennsylvania
- 2009 DSc (*honoris causa*), Queens University, Belfast, Northern Ireland
- 2012 Honorary Professor, Jiangsu Normal University, Xuzhou, China

### Honors and Awards

- 1978-1983 Camille and Henry Dreyfus Teacher-Scholar Award
- 1978 Master of Arts (hon), University of Pennsylvania
- 1980-1985 NIH Career Development Award (National Cancer Institute)
- 1985-1986 Fellow, The John Simon Guggenheim Foundation
- 1986-1987 Fellow, Japan Society for the Promotion of Science
- 1986 Philadelphia Section Award of the American Chemical Society
- 1990 Philadelphia Organic Chemists Club Award
- 1990 Kitasato Institute Microbial Chemistry Medal

1991	Arthur C. Cope Scholar Award
1991	Honor Scroll Award - American Institute of Chemists
1992	Alexander von Humboldt Research Award for Senior U.S. Scientists
1993	ACS Ernest Guenther Award in the Chemistry of Natural Products
1993	Alumni Award for Outstanding Professional Achievement - Bucknell University
1997	University of Oregon Creativity Award
1997	ACS Award for Creative Work in Synthetic Organic Chemistry
1999	Honorary Membership - Pharmaceutical Society of Japan
2001	Honorary Member - Kitasato Institute, Tokyo, Japan
2002	Fellow, American Association for the Advancement of Science
2002	Centenary Medal and Lectureship, Royal Society of Chemistry, London, UK
2003	Yamada-Koga Prize, The Japan Research Foundation for Optically Active Compounds, Tokyo, Japan
2004	First Provost's Award for Distinguished Teaching and Mentoring Ph.D. Students, University of Pennsylvania
2004	Order of the Rising Sun, Gold Rays with Neck Ribbon, from the Government of Japan, Tokyo, Japan
2006	Fellow, American Academy of Arts and Sciences
2007-	Member, ESPCI International Scientific Council, Paris, France
2008	Simonsen Medal, Royal Society of Chemistry, United Kingdom
2009	Inaugural Fellow, American Chemical Society
2011	Wilsmore Professorship, Melbourne University, Melbourne, Australia
2014	Paul Gassman Award, Organic Division, American Chemical Society
2014	William H. Nichols Medal, New York Section of the American Chemical Society
2015	Allan R. Day Award, Philadelphia Organic Chemists' Club
2015	Philadelphia Drug Discovery Institute Award, Doylestown, PA
2015	Perkin Prize for Organic Chemistry, Royal Society of Chemistry, UK
2016	Honorary Issue: The Journal of Antibiotics

### **Editorial Boards**

1982-1986	<i>Journal of Organic Chemistry</i>
1987-2006	<i>Organic Reactions</i>
1988-1993	<i>Journal of the American Chemical Society</i>
1990-1998	<i>Organic Syntheses</i>
1992-1997	International Advisory Board - <i>Journal of the Chemical Society, Perkin Transactions I</i>
1993-1998	<i>Fullerene Science and Technology</i>
1994-	<i>Journal of Organic Chemistry</i>
1995-	Member, Board of Directors, Organic Reactions, Inc.
1995-1998	<i>Synlett</i>
1996	Guest Editor, <i>Tetrahedron Symposia in Print</i> on Fullerene Chemistry
1997-2001	Regional Editor - <i>Fullerene Science and Technology</i>
1997-2002	<i>Tetrahedron Publications - Board of Consulting Editors</i>
1999-	<i>Journal of Antibiotics</i>
2000-	<i>Chemical &amp; Pharmaceutical Bulletin</i>
2002	Member, Board of Directors, Organic Syntheses, Inc.
2002-2005	<i>Accounts of Chemical Research</i>
2002-	Member, Board of Directors, Organic Syntheses, Inc.
2012-2018	Member, Governing Board for Publishing, American Chemical Society

### **Plenary Lectureships**

1975	Frontiers in the Chemical Senses, National ACS Meeting, Philadelphia, PA
1975	Gordon Research Conference on Olefaction and Taste, New Hampton, NH
1978	Gordon Research Conference on Organic Reactions and Process, New Hampton, NH

1979 6<sup>th</sup> International Symposium on Synthesis in Organic Chemistry, Cambridge, England  
 1983 National Organic Symposium, Bozeman, MT  
 1986 Distinguished Lecturer; Zeneca Excellence in Chemistry Symposium  
 1986 Arthur D. Little Lectureship, Northeastern University, Boston, MA  
 1988 National Medicinal Chemistry Symposium, Minneapolis, MN  
 1988 16<sup>th</sup> IUPAC Symposium on the Chemistry of Natural Products, Kyoto, Japan  
 1988 Merck-Frosst Lectureship, Ottawa, Ontario, Canada  
 1988 H. Martin Friedman Lectureship - Rutgers University, Piscataway, NJ  
 1988 Société Française de Chimie Lectureship - Paris, France  
 1989 Biannual Carl S. Marvel Symposium, Tucson, AZ  
 1989 Lectureship at the French Speaking Universities of Switzerland  
 1991 Trost "25 Year" Symposium, Stanford University, Stanford, CA  
 1991 Twentieth Scottish Regional Meeting (Royal Society of Chemistry), Edinburgh, Scotland  
 1991 Southwest Regional Meeting (Royal Society of Chemistry), Cardiff, Wales  
 1992 Ninth International Society of Chemical Ecology Meeting, Kyoto, Japan  
 1992 Guenther Award Symposium, National ACS Meeting, San Francisco, CA  
 1992 Congress of the French Chemical Society, Ecole Polytechnique, Palaiseau, France  
 1992 Ischia Advanced School of Organic Chemistry, Ischia, Italy  
 1992 Summer College, Society of Synthetic Organic Chemistry, Nagoya, Japan  
 1992 Symposium on Chemistry and Biology, Nagoya, Japan  
 1992 Phillips Lectureship - Haverford College, Haverford, PA  
 1993 Merck Frosst Lectureship - Université de Sherbrooke, Sherbrooke, Québec, Canada  
 1993 Castle Lectureship - University of South Florida, Tampa, FL  
 1993 U.S.-Japan Seminar: Physics and Chemistry of C<sub>60</sub> and Related Compounds  
 1993 Co-Chairman, Max Tishler Memorial Symposium, Kitasato Institute, Tokyo, Japan  
 1993 Pfizer Lectureship, University of California, Berkeley, Berkeley, CA  
 1993 Bryn Mawr Symposium to Celebrate New Facilities for Research & Teaching, Bryn Mawr, PA  
 1994 4<sup>th</sup> French-American Chemical Society, New Orleans, LA  
 1994 Gordon Research Conference on the Chemistry and Biology of Peptides, Ventura, CA  
 1994 Herbert C. Brown Lectureship, Purdue University, Lafayette, IN  
 1994 Life Science Symposium, Rutgers, The State University, Newark, NJ  
 1994 Belgian Organic Synthesis Symposium, Namur, Belgium  
 1995 1<sup>st</sup> Winter Conference on Medicinal and Bioorganic Chemistry, Steamboat Springs, CO  
 1995 CU-Hauser Symposium in Natural Products: Chemistry and Biology, Boulder, CO  
 1995 Gordon Research Conference on Heterocyclic Compounds, New Hampton, NH  
 1995 Glaxo-UNC Conference on the Frontiers of Chemistry and Medicine, Chapel Hill, NC  
 1995 78<sup>th</sup> Canadian Society of Chemistry, Symposium on Peptidomimetics, Guelph, Ontario, Canada  
 1995 14<sup>th</sup> International Symposium on Synthesis in Organic Chemistry, Cambridge, England  
 1995 National Organic Symposium, Williamsburg, VA  
 1996 Research Scholars Lectureship, Drew University, Madison, NJ  
 1996 Gordon Research Conference on Natural Products, New England College, Henniker, NH  
 1996 Fullerenes '96, Keble College, Oxford, England  
 1996 Philip Eaton Symposium, University of Chicago, Chicago, IL  
 1996 UC Davis Graduate Student Lectureship, UC Davis, Davis, CA  
 1996 DuPont-Merck Research Facility Dedication Symposium, Wilmington, DE  
 1996 Royal Society of Chemistry, Fall Carbohydrate Symposium, London, UK  
 1997 Royal Society of Chemistry, Lakeland Heterocyclic Symposium, Grasmere, UK  
 1997 32<sup>nd</sup> EUCHEM Stereochemistry Conference at Bürgenstock, Switzerland  
 1997 4<sup>th</sup> Cost Workshop on Molecular Recognition, Dublin, Ireland

1997 Inaugural Allelix Biopharmaceutical Distinguished Lectureship, University of Toronto, Canada  
 1997 Astra Research Center-Montreal Facility Dedication Symposium, Montreal, Quebec  
 1997 Carl Johnson Symposium, Wayne State University, Detroit, MI  
 1997 Frontiers in Chemical Research Lectureship, Texas A&M University, College Station, Texas  
 1997 Max Tishler Memorial Lectureship, Kitasato Institute, Tokyo, Japan  
 1997 1997 Korea Lectureship in Organic Chemistry, Seoul, Korea  
 1998 Society of Chemical Industry; Fine Chemicals Group Symposium, London, England  
 1998 Merck Lectureship, Cambridge University, Cambridge, UK  
 1998 Stereochemical Gordon Conference, Salve Regina University, Newport, RI  
 1998 Organic Reactions and Processes, Gordon Conference, New England College, NH  
 1998 Warner Lambert–Park Davis Lectureship, Michigan State University, East Lansing, MI  
 1998 Musselman Lectureship, Gettysburg College, PA  
 1998 Procter & Gamble Pharmaceuticals Colloquium on Organic Chemistry, Cincinnati, OH  
 1998 IUPAC Conference on Organic Synthesis (ICOS-12), Venice, Italy  
 1998 1<sup>st</sup> Intl. Conf. on Chemistry of Antibiotics (ICCA), Bologna, Italy  
 1998 Society of Chemical Industry Symposium on National Product Synthesis, London, UK  
 1998 Reilly Lectureship, University of Notre Dame, Notre Dame, IN  
 1998 Sydney Archer Lectureship, Rensselaer Polytechnic Institute, Troy, NY  
 1999 Inaugural Novartis Lecturer, University of Texas at Austin, Austin, TX  
 1999 Roche Distinguished Lecturer, Colorado State University, Fort Collins, CO  
 1999 Pharmaceutical Society of Japan (Induction Lecture), Tokushima, Japan  
 1999 Nouveaux Développements en Synthèse Organique, University of Montréal, Canada  
 1999 Peter A. Leermakers Symposium, Wesleyan University, Middletown, CT  
 1999 Gordon Research Conference on Heterocyclic Compounds, Newport, RI  
 1999 10<sup>th</sup> European Carbohydrate Symposium, University College, Galway, Ireland  
 1999 Peter Garratt Retirement Symposium, University College, London, England  
 1999 Gordon Research Conference on Natural Products, Henniker, NH  
 2000 Haynes-Morris Lectureship, University of Tennessee, Knoxville, TN  
 2000 University of Auckland Foundation Visitor  
 2000 XVIII Reunión Bienal de Química Orgánica, A Coruña, Spain  
 2000 Park-Davis Distinguished Lectureship, Indiana University, Bloomington, IN  
 2000 Murtishaw Lectureship in Organic Chemistry, University of South Carolina, Columbia, SC  
 2000 Schering-Plough Lectureship, State University of New York, Stony Brook, NY  
 2000 Research Frontier in Chemistry, Iowa State University, Iowa City, IA  
 2000 UCSD/DuPont Pharmaceutical Co. Symposium on Organic Chemistry, UCSD, San Diego, CA  
 2001 Michael P. Cava Symposium, University of Alabama, Tuscaloosa, AL  
 2001 Organic Chemistry Day, University of Missouri-Columbia, Columbia, MO  
 2001 Bristol-Myers Squibb Lectureship - Harvard University, Cambridge, MA  
 2001 9<sup>th</sup> Brazilian Meeting on Organic Synthesis, Curitiba, PR, Brazil  
 2001 Alan Johnson Memorial Lecture, University of Sussex, Brighton, England  
 2001 Gilbert Stork Lectureship, Columbia University, New York, NY  
 2002 Société Française de Chimie Lectureship, Paris, France  
 2002 Eli Lilly Lectureship, University of Minnesota, Minneapolis, MN  
 2002 Wayenmyer Symposium, Royal Netherlands Chemical Society, Wayenmyer, Netherlands  
 2002 French American Chemical Society (FACS IX), Paris, France  
 2002 Merck Lectureship, Cambridge University, Cambridge, UK  
 2002 Andrew Kende 70<sup>th</sup> Birthday Symposium, Rochester University, Rochester, NY  
 2002 8<sup>th</sup> International Conference on the Chemistry of Antibiotics, Tokyo, Japan

2002 Herbert E. Brown 90<sup>th</sup> Birthday Symposium, 224<sup>th</sup> ACS National Meeting, Boston, MA  
 2002 Nelson J. Leonard Lectures, University of Illinois, Urbana-Champaign, IL  
 2003 Connecticut Organic Chemistry Symposium, New Haven, CT  
 2003 Roche Colorado Distinguished Lectureship, University of Colorado, Boulder, CO  
 2003 Bristol-Myers Squibb Symposium on Organic Synthesis, University of Illinois, Chicago, IL  
 2003 North Jersey ACS Organic Chemistry Symposium, Morristown, NJ  
 2003 9<sup>th</sup> Annual Contemporary Organic Chemistry Symposium, University of Michigan, Ann Arbor, MI  
 2003 Inspire Pharmaceutical Lectureship, University of North Carolina, Chapel Hill, NC  
 2003 George Leshner Lectureship in Bioorganic and Medicinal Chemistry, Rensselaer Polytechnic Institute, Troy, NY  
 2003 Frontiers in Science Lectureship, Saint Joseph's University, Philadelphia, PA  
 2003 2<sup>nd</sup> Symposium on PharmaScience, Takeda Science Foundation, Kyoto, Japan  
 2003 Yamada Prize Lectureship, Tokyo, Japan  
 2004 ACS National Meeting Guenther Award Symposium, Anaheim, California  
 2004 Student's Choice Speaker, University of Utah, Salt Lake City  
 2004 Joseph F. Bunnett Lectureship, University of California, Santa Cruz  
 2004 15<sup>th</sup> Pfizer Summer Chemistry Symposium, Sandwich, Kent, UK  
 2004 Natural Products Gordon Research Conference, Tilton School, NH  
 2004 GlaxoSmithKline Philadelphia Chemistry Day, Philadelphia, PA  
 2004 Ralph Raphael Memorial Lectureship, Glasgow University, Scotland  
 2004 Henry J. Shine Lectureship, Texas Tech University, Lubbock, TX  
 2004 Samuel M. McElvain Lectureship, University of Wisconsin, Madison, WI  
 2005 National Organic Symposium, University of Utah, Salt Lake City, UT  
 2005 Julius Stieglitz Lecture, University of Chicago, Chicago, IL  
 2005 21<sup>st</sup> Conference on Isoprenoids, Bianlowieza, Poland  
 2006 Gordon Research Conference, Marine Natural Products, Ventura, CA  
 2006 Gordon Research Conference on Heterocycles, Newport, RI  
 2006 American Society of Pharmacology Symposium, Washington, DC  
 2006 Sheffield Stereochemistry Conference, Sheffield, UK  
 2006 George H. Büchi Lectureship, Oregon State University, Corvallis, OR  
 2006 H. C. Brown Legacy Symposium, National ACS Meeting, San Francisco, CA  
 2006 Vision in Chemistry, Sanofi-Aventis, Bridgewater, NJ  
 2006 Tokushima Pre-Symposium, New Aspects of Natural Products Chemistry, Tokushima, Japan  
 2006 IUPAC International Conference on Diversity and Natural Products, Kyoto, Japan  
 2006 Robert E. Ireland Lectureship, University of Virginia, Charlottesville, VA  
 2007 12<sup>th</sup> International Symposium on Marine Natural Products, Queenstown, NZ  
 2007 20<sup>th</sup> American Peptide Symposium, Montreal, Canada  
 2007 20<sup>th</sup> International Symposium, Synthesis in Organic Chemistry, Cambridge, England  
 2007 10<sup>th</sup> International Conference on the Chemistry of Antibiotics, Vanderbilt University, Nashville, TN  
 2007 National ACS Meeting Symposium in Honor of Professor Madeleine Joullié, Boston, MA  
 2008 Burroughs Wellcome Distinguished Lectureship, East Carolina University, Greenville, NC  
 2008 Natural Products Symposium, Athens Greece  
 2008 C.L. Stevens 85<sup>th</sup> Birthday Symposium, Wayne State University, Detroit, MI  
 2009 Gordon Conference on Combinatorial Chemistry, Sawyer College, NH  
 2009 Natural Products Gordon Conference, Tilton, New Hampshire  
 2009 Roseman Graduate Student-Hosted Seminar, Johns Hopkins University  
 2009 Brown-Negishi Lectureship, Purdue University, West Lafayette, IN

2009	George Büchi Visiting Lectureship in Organic Synthesis, Massachusetts Institute of Technology, Cambridge, MA
2009	Lilly Symposium, Department of Chemistry & Chemical Biology, Harvard University, Cambridge, MA
2010	11 <sup>th</sup> Annual Heterocyclic and Synthetic Conference, University of Florida, Gainesville, FL
2010	Tom Høye 60 <sup>th</sup> Birthday Symposium, University of Minnesota, Minneapolis, MN
2010	Journal of Organic Chemistry 75 <sup>th</sup> Anniversary Symposium, ACS National Meeting, Boston, MA
2010	Organic Reactions and Processes Gordon Conference, Bryant University, Smithfield, RI
2010	International Chemical Congress of the Pacific Basin Societies: Symposium on Novel Synthetic Methodology and its Application to Natural Product Synthesis.
2011	Opening Symposium for Biomedical Chemistry Institute, New York University, NY, NY
2011	Ritchie Lectureship, University of Sydney, Australia
2011	ICIQ Summer School Lectureship, Tarragona, Spain
2011	Ernest and Bingham J. Humphrey Memorial Symposium, University of Vermont, Burlington, VT
2011	Keynote Lecture, 7 <sup>th</sup> Chinese Chemical Society, National Organic Chemistry Conference, Nanjing University, China
2011	French Chemical Society, Organic Chemistry Division, Paris, France
2012	3 <sup>rd</sup> International Symposium on Organic Synthesis and Drug Design, Changzhou, China
2012	19 <sup>th</sup> International Conference on Organic Synthesis (ICOS19), Melbourne, Australia
2012	2 <sup>nd</sup> Al Meyers Symposium, Colorado State University, Fort Collins, CO
2012	Millersville University, Millersville, PA
2013	Sir Derek Barton Lecture, Imperial College, London
2013	Gordon Conference on Heterocycles, New Hampshire
2013	Lambert Lecture, Boston University, Boston, MA
2013	The Inaugural William Fenical Lectureship in Marine Chemical Biology, Scripps Institute of Oceanography, University of California, San Diego
2013	Public Lecture: Publication of Research in the Future: A personal Perspective
2013	14 <sup>th</sup> Tetrahedron Symposium—Europe Edition, Vienna, Austria
2013	The Ernest E. Campaign Symposium on Heterocyclic Chemistry, Indiana University, Bloomington, IN
2013	13 <sup>th</sup> International Conference of the Chemistry of Antibiotic and Other Natural Products, Kawasuchi-Lake, Japan
2013	10 <sup>th</sup> International Symposium on Carbanion Chemistry (ISCC-10), Kyoto, Japan
2013	International Symposium for the 70 <sup>th</sup> Anniversary of the Tokohu Branch of the Chemical Society of Japan, Sendai, Japan
2013	8 <sup>th</sup> National Organic Chemistry Conference, Chinese Chemical Society, Chongqing, China
2013	14 <sup>th</sup> Tetrahedron Symposium—Asia Edition, Seoul, Korea, Republic of Korea
2014	Philadelphia Organic Chemists Club
2014	ACS Awards Symposium Honoring Harold B. Dellinger
2014	Nichols Awardee Address, NYC Section of ACS
2014	ICIQ's 10 <sup>th</sup> Anniversary Scientific Symposium, Tarragona, Spain
2014	17 <sup>th</sup> International Symposium on Silicon Chemistry, Berlin, Germany
2014	Institute of Organic and Bioorganic Chemistry, Prague, Czech Republic
2014	Laboratory of Organic Chemistry, ETH, Zurich, Switzerland
2015	Guenther Award Symposium (Thomas A. Høye), National ACS Meeting, Denver, CO
2015	Princeton ACS Section Lecture, Princeton, NJ
2015	IUPAC-World Chemistry Congress, Busan, Korea

2015	Pacificchem Symposium on Natural Product-Based Discovery, Honolulu, HI
2016	Ralph Hirschmann Lectureship, Oberlin, OH
2016	RSC Perkin Prize Lectureship (Cambridge, Loughborough, Manchester Metropolitan and Queen's University), UK
2016	Sierra Nevada Distinguished Lecture, University of Nevada, Reno, NV
2016	15 <sup>th</sup> Belgian Organic Synthesis Symposium (BOSS), Antwerp, Belgium
2016	6 <sup>th</sup> Pharmaron Symposium, Beijing, China
2016	11 <sup>th</sup> National Symposium on Natural Organic Chemistry, Shanghai, China
2016	M.P. Cava Lectureship, Department of Chemistry, University of Alabama, Tuscaloosa, AL
2017	Ernest Guenther Award in the Chemistry of Natural Products: Symposium in ACS in Honor of Stephen F. Martin (April 2017)
2017	ACS Publications Symposium: Innovation in Molecular Synthesis, Shanghai, China (October 2017)
2018	44 <sup>th</sup> Silicon Symposium, 101 <sup>st</sup> Canadian Chemistry Conference, Edmonton, Alberta, Canada (May 2018)
2018	IUPAC, 30 <sup>th</sup> International Symposium on the Chemistry of Natural Products (November 2018)
2019	2019 Heterocyclic Compounds Gordon Research Conference, Salve Regina University, Newport, Rhode Island (June 2019)
2019	Reaction and Process Gordon Conference, Stonehill College, Easton, Massachusetts (July 2019)
2019	Natural Products Gordon Conference, Andover, New Hampshire (July-August 2019)

### ***Study Section Memberships***

1980-1983	NIH Medicinal Chemistry A and Bioorganic and Natural Products Chemistry Review Panels - (Ad hoc)
1983-1987	NIH Medicinal Chemistry Study Section
1986	NIH Study Section Workshop on Medicinal Chemistry - Chairman
1989-1992	American Cancer Society - Advisory Committee on Personnel for Research
1989	NIH Study Section for AIDS and Related Research
1991	NIH Workshop on Large-Scale Production of Natural Products
1992	Ad hoc NIH Bioorganic and Natural Products Chemistry Study Section - Chairman
1995-1999	NIH Medicinal Chemistry Study Section
1997-1999	Chair, NIH Medicinal Chemistry Study Section
2001	NIH SSS-B/Special Review Group
2002	Chair, NIH SSS-B/Special Review Group
2003	Chair, NIH SSS-B/Special Review Group
2004	Chair, NIH SSS-B/Special Review Group
2008	NIH SSS-Biological Chemistry and Macromolecular Biophysics Review Group
2010	NIH-SBC-A Study Section (Ad hoc Member)
2011	NIH-BCMB-B Study Section

### ***Professional Activities***

1977	Chairman Elect - Philadelphia Organic Chemists' Club
1978	Chairman - Philadelphia Organic Chemists' Club
1979	Vice Chairman - Gordon Research Conference - Organic Reactions and Processes
1980	Chairman - Gordon Research Conference - Organic Reactions and Processes
1980-1983	Member, Canvassing Committee - ACS Ernest Guenther Award in the Chemistry of Essential Oils and Related Products
1984	Member, Nominating Committee - ACS Organic Division

1985	Chairman, Nominating Committee - ACS Division of Organic Chemistry
1985-	Member, Committee on the Sciences and Arts, Franklin Institute
1987-1990	Member, Executive Committee, Organic Division, American Chemical Society
1988-1989	Chairman and Member, Fellowship Committee - ACS Division of Organic Chemistry
1989-1992	Member, Canvassing Committee - ACS Award for Creative Work in Synthetic Chemistry Sponsored by Aldrich Chemical Company, Inc.
1990-1994	Counselor, International Society of Chemical Ecology
1991-1993	National Organic Symposium Executive Officer, ACS Division of Organic Chemistry
1992	ACS Task Force to Monitor <i>Journal of Organic Chemistry</i> - Chairman
1993	Member, Ad Hoc Review Committee, Division of Physical Sciences, University of Chicago
1995-1997	Chair Elect, Chair, and Past Chair, Division of Organic Chemistry, American Chemical Society
1997-2007	Member, Advisory Board, Department of Chemistry, Worcester Polytechnic Institute
1997	Member, Ad Hoc Review Committee, Chemistry Department, University of Minnesota
1998-2000	Member, NRC Committee on Design, Construction, and Renovation of Laboratory Facilities
2001	<i>Journal of Organic Chemistry</i> Editor Selection Committee
2001 & 2011	Member Bower Pre-Selection Committee, Franklin Institute, Philadelphia, PA
2001-	John Scott Award Advisory Committee, Board of Directors of City Trusts, Philadelphia, PA
2003	Conference Chair, Editor-in-Chief's Conference, ACS Editors, La Jolla, CA
2003-2008	Advisory Board, Department of Biochemistry-PPG, Southwestern Medical Center, Dallas TX

### **Scientific Advisory Board**

1993-2009	Pharmacopeia, Inc., Princeton, NJ
1999-	Provid Pharmaceuticals, Inc., Founding Member and Co-Chair SAB.
2000-2002	Neokima, Fleurmont (Quebec), Canada
2000-2006	ArgiNOx, Inc., Milwaukee, WI
2001-2005	Dihedron, Inc., San Diego, CA (BOD and SAB)
2001- 2004	Center for Chemical Synthesis—Chemical Biology, University College Dublin, Dublin, Ireland
2002-2006	Kosan Biosciences, Inc., Hayward, CA
2004-2010	Red Abbey Venture Partners, Lutherville, MD
2004-2006	Acidophil, LLC, San Diego, CA
2005-2006	Cephalon, Inc., West Chester, PA
2007-	Member, ESPCI International Scientific Council, Paris, France
2011-2012	Adesis, Inc., New Castle, DE
2012-2013	Goodwin Procter, LLP

### **Consulting Agreements**

1982-1994	Merck & Co., Inc., Rahway, N.J.
1983-1999	Astra-Arcus USA (formally Fisons Pharmaceutical Co., Rochester, N.Y.)
1994-1995	Genentech, Inc., California.
1994-1995	Court Expert for Judge Edmund V. Ludwig, S.J. (United States District Court- Eastern District of Pennsylvania)
2002-	Incyte Genomics, Inc. Wilmington, De
2005-2011	Cephalon, Inc., West Chester, PA
2011-2012	Warner Chilcott (Ireland) Ltd.

### **Honorary Societies**



Phi Beta Kappa  
Sigma Xi  
Phi Eta Sigma  
Pi Mu  
Phi Lambda Upsilon

***Professional Societies***

American Chemical Society  
The Royal Society of Chemistry  
American Association for the  
Advancement of Science  
American Association for Cancer Research

American Society for Photobiology  
The Swiss Chemical Society  
Japanese Chemical Society  
Pharmaceutical Society of Japan

***Research Areas of Interest:***

**Organic Chemistry** - Total Synthesis of Architecturally Novel Natural and Unnatural Products, Synthetic Methodology and Reaction Mechanisms. **Bioorganic Chemistry** - Design and Synthesis of Non-peptide Peptidomimetics of Somatostatin, Substance P, Fibrinogen, Renin and HIV Protease Inhibitors. **Organic Photochemistry** - Development of New Reactions and the Study of Their Mechanism. **Materials Science** - Synthesis and Structural Analysis of Novel Discotic Liquid Crystals and New Fullerene Derivatives (i.e., C<sub>60</sub>O, C<sub>61</sub>H<sub>2</sub>, etc.). **Primate Chemical Communication**  
- Isolation, Synthesis, and Behavioral Analysis.

***Community Service***

1994- Committee Member, Boy Scout Troop 176, Narberth, PA  
1994-2001 Committee Chairman, Boy Scout Troop 176, Narberth, PA

***Personal***

Born: August 26, 1944, Lewisburg, Pennsylvania  
Married: Janet L. Duyckinck, Ph.D.  
Full Professor of Anatomy  
Medical College of Pennsylvania  
Children: Kathryn Schuyler and Amos Matthew MacMillan

*September 18, 2018*