

CURRICULUM VITAE

(Chronological)

NAME: PETER K. BRIDSON

DEPARTMENT: CHEMISTRY

RANK: Associate Professor

DEGREES

DEGREE	DISCIPLINE	INSTITUTION	YEAR
B.Sc.	Chemistry	University of London, King's College	1975
Ph.D	Organic Chemistry (Nucleoside Synthesis) (Advisor: Colin B. Reese)	University of London, King's College	1978

EXPERIENCE

RANK/POSITION	DEPARTMENT/DIVISION	INSTITUTION/COMPANY/ORG	PERIOD
Research Associate	Molecular Evolution Lab. (Director: Leslie E. Orgel)	Salk Institute for Biological Studies	1978-80
Assistant Professor	Chemistry	Memphis State University (now The U of M)	1980-1987
Associate Professor	Chemistry	The University of Memphis	1987-pres.
Graduate Studies Coordinator	Chemistry	The University of Memphis	1988-1997
Adjunct Professor	Pharmaceutical Sciences	U.T. Health Science Center, Memphis	1996-pres.
Department Chair	Chemistry	The University of Memphis	1997-2009
Interim Vice-Provost for Research	Office of Research	The University of Memphis	2000-2002
Director of UG Studies	Chemistry	The University of Memphis	2010-pres.
Director	Center for Research and Innovation in STEM Teaching and Learning (CRISTAL)	The University of Memphis	2012-pres.

HONORS/AWARDS

HONOR/AWARD	INSTITUTION/COMPANY/ORGANIZATION	YEAR
B.Sc. Honors, 1 st Class	University of London, King's College	1975
C.A.S.E award	University of London, King's College	1976-78
Dean's Award for Advising Excellence	The University of Memphis	2004
CAS Award for Teaching Excellence	The University of Memphis	2008

TEACHING EXPERIENCE: *(Specific information for past two years summarized in Appendix A)*

SUBJECT <i>(indicate Undergraduate (U), Graduate (G), Other)</i>	INSTITUTION
Chemistry of Materials (U, <i>non-science and allied health majors</i>)	The University of Memphis
Chemistry of Life (U, <i>non-science and allied health majors</i>)	The University of Memphis
General Chemistry (U)	The University of Memphis
Organic Chemistry (U) and Lab.	The University of Memphis
Instrumental Analysis (U) and Lab.	The University of Memphis
Biochemistry (U)	The University of Memphis
Organic Medicinal Chemistry (U)	The University of Memphis
Environmental Organic Chemistry (U/G)	The University of Memphis
Organic Synthesis (G)	The University of Memphis
Heterocyclic Chemistry (G)	The University of Memphis
Nucleoside Chemistry (G)	The University of Memphis

STUDENT ADVISING/MENTORING: (see Appendix B for additional information.)

Students involved in scholarly (research, creative) activities directly supervised (committees chaired):

Graduates (number): Undergraduate: 34 Masters: 10 Doctoral: 7 Postdoctoral: 0

Current	Name	Year of graduation (anticipated)
Undergraduate	none	
Graduate	none	

Number of current Committee memberships (other than those chaired): Masters 0 Doctoral 4

PhD: Gindt; Hoagland (UTCOP); Liu; Ragle

MS:

Number of students currently advised: Undergraduate 187, Graduate 0

Alpha Epsilon Delta (Prehealth Honor Society) Faculty Mentor 1981-1990

STEM Mentor (Biology/Chemistry) Faculty Mentor 2009-pres.

RESEARCH/SCHOLARSHIP/**CREATIVE ACTIVITIES:** (see Appendix C for additional information.)**PUBLICATIONS** (authors, title, reference) Including material in press and accepted for publication.**Books (authored, edited)****Refereed journal publications (including book chapters)**

1. P. K. Bridson, W. Markiewicz, and C. B. Reese; Conversion of Guanosine into its N²-Methyl Derivative, *Journal of the Chemical Society, Chemical Communications* **1977**, 447 - 448.
2. P. K. Bridson, W. Markiewicz, and C. B. Reese; Acylation of 2',3',5'-Tri-O-acetylguanosine, *Journal of the Chemical Society, Chemical Communications* **1977**, 791 - 792.
3. S. Neidle, A. Achari, G. M. Sheldrick, C. B. Reese, and P. K. Bridson; The Crystal and Molecular Structure of 2',3',5'-Tri-O-acetyl-6-O-(mesitylenesulfonyl)guanosine, *Acta Crystallographica* **1978**, B34, 2794 - 2798.
4. P. K. Bridson and C. B. Reese; The Conversion of Guanosine into its 2-N-Methyl and 2-N, 2-N-Dimethyl Derivatives, *Bioorganic Chemistry* **1979**, 8, 339 - 349.
5. P. K. Bridson, J. Jiricny, O. Kemal, and C. B. Reese; Reactions Between Ribonucleoside Derivatives and Formaldehyde in Ethanol Solution, *Journal of the Chemical Society, Chemical Communications* **1980**, 208 - 209.
6. R. Lohrmann, P. K. Bridson, and L. E. Orgel; Efficient Metal-Ion Catalyzed Template-Directed Oligonucleotide Synthesis, *Science* **1980**, 208, 1464 - 1465.
7. P. K. Bridson and L. E. Orgel; Catalysis of Accurate Poly(C)-Directed Synthesis of 3'-5'-Linked Oligoguanylates by Zn²⁺, *Journal of Molecular Biology* **1980**, 144, 567 - 577.
8. P. K. Bridson, H. Fakhrai, R. Lohrmann, L. E. Orgel, and M. Van Roode; Template-Directed Synthesis of Oligoguanylic Acids - Metal-Ion Catalysis, *Origins of Life* **1981**, 3, 233 - 239.
9. R. Lohrmann, P. K. Bridson, and L. E. Orgel; Condensation of Activated Diguanylates on a Poly(C) Template, *Journal of Molecular Evolution* **1981**, 17, 303 - 306.
10. P. K. Bridson and A. R. Larrabee; Column Chromatography, Chapter 11 in "Laboratory Medicine", Vol. 1, G. J. Race, ed. Harper and Row, Philadelphia, **1983**.
11. P. K. Bridson, R. A. Davis, and L. S. Renner; The Reaction of 5-Aminoimidazole-4-carboxamide with Orthoesters, *Journal of Heterocyclic Chemistry* **1985**, 22, 753 - 755.
12. P. K. Bridson, A. McGowan, C. M. Wilson, and F. Yeh; Intramolecular Cyclization of Ethyl ω-(5-Amino-4-carboxylimidazol-1-yl)carboxylates, *Journal of Heterocyclic Chemistry* **1987**, 24, 1155 - 1156.
13. P. K. Bridson and T. P. Weirich; Cyclic Homologs of Xanthines I. Imidazo[4,5-e] [1,4]diazepine-5,8-diones, *Journal of Heterocyclic Chemistry* **1988**, 25, 1179 - 1182.
14. P. K. Bridson, H. A. Kurtz, and F. Sayyarpour; An NMR and Computational Study of Diazepinediones, *Journal of Molecular Structure (THEOCHEM)* **1989**, 199, 175 - 181.
15. P. K. Bridson and S. J. Lambert; Imidazo[4,5-e][1,3]diazepine-4,6-dione, A Novel Xanthine Analog, *Journal of the Chemical Society, Perkin I* **1990**, 173 - 175.
16. J. W. Daly, I. Hide, and P. K. Bridson; Imidazodiazepinediones: A New Class of Adenosine Receptor Antagonist, *Journal of Medicinal Chemistry* **1990**, 33, 2818 - 2821.
17. P. K. Bridson, G. Richmond, and F. Yeh; Preparation of Xanthine-3-acetic Acid and Some Derivatives, *Synthetic Communications* **1990**, 20, 2459 - 2467.
18. P. K. Bridson and R. E. Harry O'Kuru; 1-(5-Amino-1-β-D-ribofuranosylimidazol-4-carbonyl)-3,5-dimethylpyrazole, A New Intermediate for the Preparation of AICAR Analogs, *Nucleosides and Nucleotides* **1991**, 10, 355 - 359.
19. R. V. Lloyd, D. R. Duling, R. P. Mason, and P. K. Bridson; Microsomal Reduction of 3-Amino-1,2,4-benzotriazine-1,4-dioxide, *Molecular Pharmacology* **1991**, 40, 440 - 445.

20. P. K. Bridson; Synthesis of Deoxyazepinomycin, *Heterocycles* **1994**, 38, 1007 - 1014.
21. P. K. Bridson and R. V. Iyengar; Alkylation of 5-Cyanoimidazole-4-carboxamide, *Heterocycles* **1995**, 41, 1271 - 1274.
22. P. K. Bridson and X. Wang; Synthesis of 1-Substituted Xanthines, *Synthesis* **1995**, 855 -858.
23. S. M. Ali and P. K. Bridson; Synthesis of Extended Carbamate and Urea Linked Thymidine Dimers, *Nucleosides and Nucleotides* **1996**, 15, 1531 - 1543.
24. P. K. Bridson, H. Huang, and X. Lin; 6-Amino-1,8-dihydro[4,5-e][1,3]diazepin-4(5H)-one, A Ring Expanded Analog of Guanine, *Journal of the Chemical Society, Perkin I*, **1996**, 2257 - 2260.
25. P. K. Bridson, X. Lin, N. Melman, X. Ji, and K. A. Jacobson, Synthesis and Adenosine Receptor Affinity of 7- β -D-ribofuranosylxanthine, *Nucleosides and Nucleotides* **1998**, 17, 759-768.
26. F. Giorgianni, P. K. Bridson, B. P. Sorrentino, J. Pohl, and R. L. Blakley, Inactivation of Aldophosphamide by Human Aldehyde Dehydrogenase Isozyme 3, *Biochemical Pharmacology*, **2000**, 60, 325-338.
27. E. J. North, D. A. Osborne, P. K. Bridson, D. L. Baker, A. L. Parrill, Autotaxin Structure-Activity Relationships Revealed Through Lysophosphatidylcholine Analogs, *Bioorganic & Medicinal Chemistry* **2009**, 17, 3433-3442.
28. S. S. Ivey, A. Hall, L. Allen, P. K. Bridson, West Tennessee STEM Hub: Cradle to Career Collaborations for STEM, *Critical Conversations: An Interdisciplinary Journal*, **2015**, 1 (2), 214-233.

Refereed conference publications

Book Reviews

Non-refereed publications

PRESENTATIONS (authors, title, reference)

INVITED PRESENTATIONS

Conferences	
1.	P. K. Bridson; Undergraduate Research Assistants: Technicians or Coworkers? Symposium on Research as Undergraduate Education, <i>American Chemical Society SW Regional Meeting</i> , Little Rock, Arkansas, Dec. 1987.
2.	P. K. Bridson; CRISTAL and the West Tennessee STEM Hub, <i>2015 ETSU STEM Conference: Best Practices in STEM Education</i> , Johnson City, Tennessee, May 2015.
Other (universities/industry)	
1.	Prebiotic Synthesis of Nucleic Acids, <i>University of California, San Diego</i> , March 1980.
2.	Metal-ion Catalysis in Prebiotic Oligonucleotide Synthesis, <i>Memphis State University</i> , May 1980.
3.	Effect of Methylation on DNA Conformation, <i>Memphis State University</i> , Oct. 1982.
4.	Oligonucleotide Synthesis, <i>University of Arkansas</i> , Jan. 1983.
5.	Effect of Methylation on DNA Conformation, <i>Mississippi State University</i> , Oct. 1983.
6.	Synthesis of Novel Purine Nucleoside Analogs, <i>University of Southern Mississippi</i> , March 1984.
7.	Purine Nucleoside Analogs as Potential Drugs, <i>Rust College</i> , Nov. 1984.
8.	Imidazodiazepines as Novel Xanthine Analogs, <i>University of Arkansas</i> , Nov. 1986.
9.	Xanthine Analogs, <i>Memphis State University</i> , Nov. 1986.
10.	Purine Analogs With Seven Membered Rings, <i>Mississippi State University</i> , Feb. 1992.
11.	Purine Analogs With Seven Membered Rings, <i>University of Mississippi</i> , Feb. 1993.
12.	Xanthine Analogs as Potential Adenosine Receptor Ligands, <i>University of Tennessee, Memphis</i> , Apr. 1996.
13.	Xanthine Analogs as Potential Adenosine Receptor Ligands, <i>Clemson University</i> , Feb. 1999.
14.	Xanthine Analogs as Potential Adenosine Receptor Ligands, <i>New Mexico Highlands University</i> , Mar. 1999.
15.	Design and Synthesis of Adenosine Receptor Ligands, <i>Hendrix College</i> , Oct. 2000.
16.	Design and Synthesis of Adenosine Receptor Ligands, <i>East Tennessee State University</i> , Feb. 2002
17.	Synthesis and Characterization of Heterocyclic Compounds as Analogs of Purine Nucleosides, <i>University of Alabama Birmingham</i> , Feb. 2007
18.	Synthesis and Characterization of Heterocyclic Compounds as Analogs of Purine Nucleosides, <i>University of Tennessee Chattanooga</i> , Mar. 2007
19.	Improving Student Performance in General Chemistry – Trial and Error, <i>University of Memphis</i> , Oct. 2011

OTHER PRESENTATIONS

Conferences	
1.	P. K. Bridson; Synthesis of Imidazo[4,5-e][1,4]diazepine Nucleosides. <i>10th International Congress of Heterocyclic Chemistry</i> , Waterloo, Canada, Aug. 1985.
2.	P. K. Bridson, C. M. Wilson; Imidazo[4,5-e][1,3]diazepines, Novel Purine Analogs. <i>11th International Congress of Heterocyclic Chemistry</i> , Heidelberg, Germany, Aug. 1987.

3. P. K. Bridson, H. A. Kurtz, and F. Sayyarpour; Conformational Studies of Diazepines. *Missouri Magnetic Resonance Symposium*, Rolla, Missouri, Nov. 1987.
4. P. K. Bridson, R. E. Harry O'Kuru; Preparation of AICAR Analogs. *9th International Round Table: Nucleosides, Nucleotides, and their Biological Applications*, Uppsala, Sweden, Aug. 1990.
5. P. K. Bridson, X. Lin; 6-Aminoimidazo[4,5-e][1,3]diazepin-4-one, A Cyclic Homolog of Guanine. *American Chemical Society SE/SW Regional Meeting*, New Orleans, Louisiana, Dec. 1990.
6. P. K. Bridson; A Cyclic Homolog of Inosine. *American Chemical Society SE Regional Meeting*, Johnson City, Tennessee, Oct. 1993.
7. P. K. Bridson; Functionalized Alkyl Xanthines. *American Chemical Society SW Regional Meeting*, Austin, Texas, Oct. 1993.
8. X. Wang, P. K. Bridson; Preparation of 1-Substituted Xanthines. *American Chemical Society National Meeting*, Washington, DC, Aug. 1994.
9. P. K. Bridson; Alkylation of Imidazo[4,5-e][1,2,4]triazepine-5,8-diones. *American Chemical Society SE Regional Meeting*, Birmingham, Alabama, Oct. 1994.
10. H. Huang, P. K. Bridson; Preparation of Cyclic Homologs of Guanine and Guanosine. *American Chemical Society SW Regional Meeting*, Fort Worth, Texas, Nov. 1994.
11. S. M. Ali, P. K. Bridson; Synthesis of Carbamate and Urea Linked Thymidine Dimers. *American Chemical Society National Meeting*, Anaheim, California, April 1995.
12. H. Huang, P. K. Bridson; Preparation of a Cyclic Homolog of Guanosine. *American Chemical Society National Meeting*, Anaheim, California, April 1995.
13. X. Lin, L. Tian, P. K. Bridson; Synthesis of 7- β -D-Ribofuranosylxanthine. *American Chemical Society SE/SW Regional Meeting*, Memphis, Tennessee, Dec. 1995.
14. S. M. Ali, P. K. Bridson; Synthesis of Extended Urea Linked Thymidine Dimer. *American Chemical Society SE/SW Regional Meeting*, Memphis, Tennessee, Dec. 1995.
15. P. K. Bridson, X. Lin; Synthesis of 3-Alkylaminoxanthines. *American Chemical Society SE Regional Meeting*, Greenville, S. Carolina, Nov. 1996.
16. X. Lin, P. K. Bridson; Synthesis of 3-Aminoxanthine Nucleosides. *American Chemical Society SE Regional Meeting*, Greenville, S. Carolina, Nov. 1996.
17. X. Lin, P. K. Bridson; Synthesis of 3-Alkylaminoxanthine 7-Ribosides. *35th National Organic Symposium*, San Antonio, Texas, July 1997.
18. Y. Hu, P. K. Bridson; Synthesis and Characterization of 3,1,4-Benzoxadiazepine- 2,5-diones. *American Chemical Society National Meeting*, New Orleans, Louisiana, August 1999.
19. C. L. Bradley, P. K. Bridson; Synthetic Approaches to 4-Aminoimidazo[4,5-d]pyridazin-7-one Nucleosides. *American Chemical Society Central Regional Meeting*, Covington, Kentucky, May 2000.
20. Y. Hu, P. K. Bridson; 3-Aminoxanthine-7-Ribofuronamide Derivatives. *American Chemical Society Central Regional Meeting*, Covington, Kentucky, May 2000.
21. P. K. Bridson, H. A. Kurtz, A. L. Parrill, J. Wilkins; Computational Analysis of the Effect of 2'-Methylation on Nucleoside Conformation. *American Chemical Society Central Regional Meeting*, Covington, Kentucky, May 2000.
22. A. L. Parrill, P. K. Bridson; Student Use of Computational Chemistry to Justify Proposed Drug Targets in a Medicinal Chemistry Course: Integrating Computational Experiments and Writing Assignments. *American Chemical Society National Meeting*, Washington, DC, August 2000.
23. A. L. Parrill, P. K. Bridson, T. R. Cundari; "Undergraduate Introduction to Computational Chemistry Through Research Projects", *American Chemical Society National Meeting*, Chicago, Illinois, August 2001
24. D. Sun, P. K. Bridson; Design and Synthesis of Nucleosides of *N*-alkyl 5-Cyanoimidazole-4-Carboxamide, *American Chemical Society SE Regional Meeting*, Charleston, South Carolina, November 2002.
25. L. Wincenciak, C. Singer, F. Onyemauwa, D. Sun, A. L. Parrill, P. K. Bridson, "Molecular Modeling of the Human A_{2A} Adenosine Receptor", *American Chemical Society SE Regional Meeting*, Charleston, South Carolina, November 2002.
26. D. Sun, P. K. Bridson; Synthesis of Nucleosides of Alkyl Imidazole-4,5-dicarboxamides, *American Chemical Society SE Regional Meeting*, Atlanta, Georgia, November 2003.
27. C. Cline, P. K. Bridson; Alkylation of Imidazo[4,5-d]pyridazines, *American Chemical Society SE Regional Meeting*, Research Triangle Park, North Carolina, November 2004.

SUPPORT: : If more than one person is involved, indicate your role (e.g., PI, CO-PI, consultant) and percent of effort on grant. (see Appendix D for additional information.)

EXTERNAL (Funded or Pending. List funded support first)	AGENCY/SOURCE	AMOUNT	PERIOD
<i>Analysis of PCB's by HPLC</i>	Analchem Labs Inc.	\$800	1983
<i>Imidazodiazepines as Novel Purine Analogs</i>	National Institutes of Health (AREA)	\$67,050	1986-88
<i>Purine Nucleoside Phosphorylase Inhibitors</i>	National Institutes of Health/ Rust College (MBRS)	\$4,500	1986-88
<i>Purine Nucleoside Phosphorylase Inhibitors</i>	National Institutes of Health/ Rust College (MBRS)	\$6,000	1989-91
<i>Evaluation of Compounds for Agricultural Utility</i>	DuPont Agricultural Products	\$1,350	1997-99
<i>3-Aminoxanthines as Adenosine Receptor Ligands</i>	National Institutes of Health (AREA)	\$95,511	'98-2000
<i>EPSCoR Planning Grant</i> (co-PI, 20%, with G. Garrison, UTSI, A. Garrison, UTK, D. Hercules, VU)	National Science Foundation	\$200,000	2003-06
<i>CRIF: Acquisition of a 400 MHz NMR Spectrometer for Research and Education</i> (PI, 5%, with T. Burkey, A. Parrill, G. Peters, E. Pinkhassik)	National Science Foundation	\$262,500	2005-06
<i>West Tennessee STEM Collaboratory: Partnering for Success</i> (co-PI, 25%, with A. Hall, S. Ivey)	Tennessee Department of Education	\$850,000	2012-14
<i>Probing Chemistry Project</i> (co-PI, 15%, with R. Petersen, M. Freilich)	Tennessee Department of Education	\$263,796	2014-15

INTERNAL	SOURCE	AMOUNT	PERIOD
<i>Synthesis of Modified Nucleosides</i>	Faculty Research Grant	\$2,500	1981
<i>High Performance Liquid Chromatograph</i>	Biomedical Research Support Grant	\$5,500	1982
<i>Adenylosuccinate Lyase Inhibitors</i>	Faculty Research Grant	\$3,000	1989
<i>Workstation for Molecular Modeling</i>	Faculty Research Grant	\$4,000	1996
<i>Improved Chemistry Instruction using the WWW, co-P.I., 50%, with H. A. Kurtz</i>	Technology Access Fee Award	\$5,000	1997
<i>Reverse Instruction Applied to CHEM 1100; co-PI with Freilich, Petersen</i>	Advanced Learning Center	\$3,000	2011

OUTREACH: (see Appendix E for additional information.))

PROJECT	PARTICIPANTS	PERIOD	SPONSORSHIP (if any)
NMR services	Local industry	FY 91/92	\$6,966
NMR services	Local industry	FY 92/93	\$3,315
NMR services	Local industry	FY 93/94	\$2,880
NMR services	Local industry	FY 94/95	\$959
NMR services	Local industry	FY 95/96	\$1,045
NMR services	Local industry	FY 96/97	\$841
Biomedical Research Techniques Workshop	Rust College Undergraduates	12/10/96	
Chemistry and Society Lecture: Malaria	Craigmont High School Chem. Classes	4/2/98	

SERVICE:

UNIVERSITY	COMMITTEE/ACTIVITY (if Chair, add [C])	PERIOD
Department		
Chemistry:	Safety Committee	1980-83
	Faculty Council	1981-85
	Facilities Committee	1981
	Chairman Search Committee	1981
	Faculty Search Committee	1982-93
	Undergraduate Curriculum Committee	1984
	Graduate Studies Committee	1985-1997
	Graduate Studies Committee [Chair]	1988-1997
	Faculty Search Committee [Chair]	2000
	Faculty Search Committee [Chair]	2004
	Undergraduate Studies Committee [Chair]	2010-pres.
Microbiology and Molecular Cell Science:	Faculty Search Committee	1996
	Biochemistry Curriculum Committee	1997
	Chair of Excellence Search Committee	1998
College/School		
Arts and Sciences:	College Council for Research and Graduate Studies	1991-1998
	Tenure and Promotion Committee	1996
	Dean's Advisory Council	2004-2006
	CAS Budget Planning Group	2010-pres.
University		
The University of Memphis:	Health Science Professions Advisory Committee	1983-1988
	Dean, Arts and Sciences, Search Committee	1987
	Van Vleet Fellowship Selection Committee	1992
	Self-study, Committee on Physical Resources	1993
	Graduate School Grade Appeals Committee	1993-1999
	Graduate School Grade Appeals Committee [Chair]	1998-1999
	University Council for Research and Graduate Studies	1996-1998
	Van Vleet Fellowship Selection Committee	1997
	Tenure and Promotion Appeals Committee	1998-2000
	Eminent Faculty Award Selection Committee	2000-2001
	Provost's Council	2001-2002
	Space Policy Council	2001-2002
	Patents, Copyrights, and Licensing Committee	2001-2003
	Fellowship Advisory Committee	2004-2006
	University Committee on STEM	2009-2011
	Compensation Policies and Procedures Development Comm.	2010-2011
	Undergraduate Grade Appeals Committee	2010-2011
	Tenure and Promotion Appeals Committee [Chair 2012]	2012-2014
	Teaching and Learning Advisory Committee	2013-pres.

OTHER		
Society/Organization/Journal	COMMITTEE/EDITORIAL BOARD/OFFICE (if Chair, add [C])	PERIOD
American Chemical Society:	Memphis Section Awards Committee	1989-91
		1998-2000
	Memphis Section Awards Committee [Chair]	1990-91
		2000
	Memphis Section Chairman-elect	1991
	Memphis Section Chairman	1992
	Memphis Section Executive Committee	1991-1995
	1995 SE/SW Joint Regional Meeting, Memphis [Chair]	1993-1996
	SERMACS Nominating Committee	1997
	2005 SE/SW Joint Regional Meeting, Memphis	2003-2005
TN Mouse Genome Consortium	Executive Steering Committee	2001-2002
Memphis Biotech Foundation	Education Sub-committee	2002-2005
Tennessee EPSCoR	State Committee, Management team	2003-2008
Journal of Chemical Education	Reviewed articles	2006-pres
Journal of Heterocyclic Chem.	Reviewed articles	1986-2000
Journal of Medicinal Chemistry	Reviewed articles	1991-2003
Journal of Organic Chemistry	Reviewed articles	2005
Nucleosides and Nucleotides	Reviewed articles	1997-2002
Synthesis	Reviewed articles	1998-2002
Civilian R. and D. Foundation	Reviewed proposal	2004
ACS Petroleum Research Fund	Reviewed proposals	1990-2005
National Science Foundation	CCLI Proposal Review Panel	2005

