

**PETER J. ALAIMO, PH.D.**

Department of Chemistry  
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**PROFESSIONAL APPOINTMENTS**

- 2004 – date Assistant Professor of Chemistry, Seattle University, Seattle, WA  
*Research Interests:* Synthesis and biological evaluation of molecular probes of cellular signaling pathways
- 2000 – 2004 Postdoctoral Fellow, Department of Cellular and Molecular Pharmacology  
University of California, San Francisco, CA; Advisor: Kevan M. Shokat  
*Project Title:* Decoding the roles of phosphatidylinositol 3-kinases in cellular signaling using chemical genetics
- Susan G. Komen Breast Cancer Foundation Fellow (2000-2001)
  - American Cancer Society Fellow (2001-2004)
  - National Institutes of Health (F32) Fellowship (declined)

**EDUCATION**

- 1994 – 1999 Graduate Student, University of California, Berkeley, CA  
Ph.D. in chemistry; Dissertation advisor: Robert G. Bergman  
*Dissertation Title:* Synthetic and mechanistic studies of carbon-hydrogen bond activation by iridium(III) complexes and development of a transition metal catalyzed alkene aziridination reaction
- 1990 – 1994 Undergraduate Student, University of Michigan, Ann Arbor, MI  
B.S. in philosophy, chemistry; Honors thesis advisor: Brian P. Coppola  
*Honors Thesis Title:* Regiodirecting effects in 1,3-dipolar cycloadditions to nitriles and imidazolium oxides

**HONORS & AWARDS**

- 2008 Carnegie Academy for the Scholarship of Teaching & Learning, Institute Scholar  
2007 Scholarship of Teaching and Learning Writing Retreat Fellow; SU  
2006 Academic Service Learning Fellow; SU  
1997 Bruce H. Mahan Teaching Award; UC Berkeley  
1997 Outstanding Graduate Student Instructor Award; UC Berkeley  
1996 Outstanding Graduate Student Instructor Award; UC Berkeley  
1995 Outstanding Graduate Student Instructor Award; UC Berkeley  
1994 Summer Research Intern, Raychem Corporation, Menlo Park, CA  
1993 Smeaton Research Fellow; Univ. Michigan  
1993 Phi Lambda Upsilon, Honorary Chemical Society  
1992 Golden Key National Honor Society  
1992 Institute for the Humanities Fellow; Univ. Michigan

## TEACHING AND MENTORING EXPERIENCE

### Seattle University Courses

Chemistry 232:	<i>Fundamental Organic Chemistry II</i>	(Sp06)
Chemistry 242:	<i>Fundamental Organic Chemistry II Lab</i>	(Sp06)
Chemistry 335:	<i>Organic Chemistry I</i>	(F04, 06, 08, 09)
Chemistry 345:	<i>Organic Chemistry I Lab</i>	(F04, 05, 06, 07, 08, 09)
Chemistry 336:	<i>Organic Chemistry II</i>	(W05, 06, 07, 08, 09, 10)
Chemistry 346:	<i>Organic Chemistry II Lab</i>	(W05, 06, 07, 08, 09, 10)
Chemistry 337:	<i>Organic Chemistry III</i>	(Sp07, 08, 09, 10)
Chemistry 347:	<i>Organic Chemistry III Lab</i>	(Sp05, 07, 08, 09, 10)
Chemistry 436:	<i>Advanced Organic Chemistry</i>	(Sp05, F07)
Chemistry 488:	<i>Senior Synthesis Seminar I</i>	(F05)

### Teaching Experience Prior to Seattle University Appointment

<i>The Chemistry of Metalloenzymes</i> , SF State University, guest lecturer	(F03)
<i>Mechanistic Organic Chemistry</i> , UCSF, guest lecturer	(F01, 02, 03)
<i>Biochemistry, Pharmacology and Cell Biology</i> , UCSF, discussion leader	(F02)
<i>MCAT Preparation: Organic Chemistry</i> , Princeton Review, Instructor	(1995-1996)
<i>Inorganic Chemistry I</i> , UC Berkeley, Graduate Student Instructor	(Sp96)
<i>Organic Chemistry II</i> , UC Berkeley, Head Graduate Student Instructor	(Sp95)
<i>Organic Chemistry I</i> , UC Berkeley, Graduate Student Instructor,	(F94)
<i>Organic Chemistry</i> , 21 <sup>st</sup> Century Program, Univ. MI, discussion leader	(1992-1994)
<i>General Chemistry</i> , 21 <sup>st</sup> Century Program, Univ. MI, discussion leader	(1991-1992)

### Current Undergraduate Research Students

<u>Student Name</u>	<u>Dates in Lab</u>	<u>Degree Expected</u>
3. Cara Southworth	6/09 – date	B.S. expected 2011
2. Mackenzie Clay	6/09 – date	B.S. expected 2011
1. David Andrews	4/09 – date	B.S. expected 2011

### Former Undergraduate Research Students

<u>Student Name</u>	<u>Dates in Lab</u>	<u>Current Position</u>
15. Amanda Marshall, B.S.	4/08 – 7/09	Rotary Ambassadorial Scholar
14. Colleen Ottinger, B.S.	1/08 – 12/08	unknown
13. Corey Paulino, B.S.	9/06 – 11/08	Jesuit Volunteer Corps
12. MinhTu Banh, B.S.	10/06 – 6/08	Midwestern University graduate student
11. Elizabeth Tyson, B.S.	3/06 – 6/08	Madison (WI) chemistry graduate student
10. Jack Chacon, B.S.	5/06 – 5/07	Sparkman Cellars Winery
9. Scott Davis, B.S.	1/07 – 5/07	US Army Officer, 10 <sup>th</sup> Mountain Division
8. Sarah Connell, B.A.	1/06 – 6/06	Univ. Virginia medical student
7. Adam Johnson, B.S.	10/05 – 12/06	Boston College chemistry grad student
6. Lorien Wallace, B.S.	3/05 – 6/06	Western Univ. osteopathic med. student
5. Bobby O'Brien, B.S.	3/05 – 7/06	Boston College chemistry grad student
4. Jamie O'Brien, B.S.	10/04 – 7/06	Boston College chemistry grad student
3. Sarah Slauson, B.S.	10/04 – 7/06	Madison (WI) biochemistry grad student
2. Scott Rizzi, B.S.	10/04 – 8/05	unknown
1. Veronica Large, B.S.	10/04 – 6/05	Puget Sound Blood Center

**PUBLICATIONS*****Peer-Reviewed Journal Articles (undergraduate research collaborator)***

13. A.-L. Marshall, **P.J. Alaimo** “Simple Products from Complex Starting Materials: Useful Chemicals from Biomass Feedstocks.” *Chem. Eur. J.*, submitted.
12. **P.J. Alaimo**, A.L. Marshall, D.M. Andrews, J.M. Langenhan “1,3,5-Triacetylbenzene.” *Org. Synth.*, in review.
11. **P.J. Alaimo**, J.M. Langenhan, M. Tanner, S.M. Ferrenberg, “Safety Teams: An Approach to Engage Students in Laboratory Safety.” *J. Chem. Educ.*, submitted.
10. **P.J. Alaimo**, J.C. Bean; J.M. Langenhan, L. Nichols, “Eliminating Lab Reports: A Rhetorical Approach for Teaching the Scientific Paper in Sophomore Organic Chemistry.” *Writing Across the Curriculum Journal*, **2009**, *20*, 17-32.
9. **P.J. Alaimo**, R. O’Brien III, A.W. Johnson, S.R. Slauson, J.M. O’Brien, E.L. Tyson, A.L. Marshall, C.E. Ottinger, J.G. Chacon, L. Wallace, C.Y. Paulino, and S. Connell, “Sustainable Synthetic Methods: Domino Construction of Dihydropyridin-4-ones and  $\beta$ -Amino Esters in Aqueous Ethanol.” *Org. Lett.* **2008**, *10*, 5111-5114.

***Prior to Seattle University appointment***

8. **P.J. Alaimo**, Z.A. Knight, K.M. Shokat, “Targeting the Gatekeeper Residue in Phosphoinositide 3-Kinases.” *Bioorg. Med. Chem.* **2005**, *13*, 2825-2836.
7. Z.A. Knight, G.G. Chiang, **P.J. Alaimo**, D.M. Kenski, C.B. Ho, K. Coan, R.T. Abraham, K.M. Shokat, “Isoform-Specific Phosphoinositide 3-Kinase Inhibitors from an Arylmorpholine Scaffold.” *Bioorg. Med. Chem.* **2004**, *12*, 4749-4759.
6. H. Wang, E. Shimizu, Y.-P. Tang, M. Cho, M. Kyin, W. Zuo, D.A. Robinson, **P.J. Alaimo**, C. Zhang, H. Morimoto, M. Zhou, R. Feng, K.M. Shokat, J.Z. Tsien, “Inducible Protein Knockout Reveals Temporal Requirement of CaMKII Reactivation for Memory Consolidation in the Brain.” *Proc. Natl. Acad. Sci., USA* **2003**, *100*, 4287-92.
5. **P.J. Alaimo**, M.A. Shogren-Knaak, K.M. Shokat, “Chemical Genetic Approaches for the Elucidation of Signaling Pathways.” *Curr. Opin. Chem. Biol.* **2001**, *5*, 360-7.
4. **P.J. Alaimo**, D.W. Peters, J. Arnold, R.G. Bergman, “Suggested Modifications to a Distillation-Free Solvent Purification System,” *J. Chem. Educ.* **2001**, *78*, 64.
3. **P.J. Alaimo**, B.A. Arndtsen, R.G. Bergman, “Alkylation of Iridium *via* Tandem Carbon-Hydrogen Bond Activation/Decarbonylation of Aldehydes: Access to Complexes with Tertiary and Highly Hindered Metal-Carbon Bonds,” *Organometallics* **2000**, *19*, 2130-43.
2. **P.J. Alaimo**, R.G. Bergman, “Modeling the Proposed Intermediate in Alkane Carbon-Hydrogen Bond Activation by  $Cp^*(PMe_3)Ir(Me)OTf$ : Synthesis and Stability of Novel Organometallic Iridium(V) Complexes,” *Organometallics* **1999**, *18*, 2707-17.
1. **P.J. Alaimo**, B.A. Arndtsen, R.G. Bergman, “Synthesis of Tertiary and Other Sterically Demanding Alkyl- and Aryl Complexes of Iridium by Aldehyde C-H Bond Activation,” *J. Am. Chem. Soc.* **1997**, *119*, 5269-70.

**Books and Book Chapters**

2. M.A. Shogren-Knaak, **P.J. Alaimo**, K.M. Shokat "Recent Advances in Chemical Approaches to the Study of Biological Systems." *Annu. Rev. Cell Develop. Biol.* **2001**, *17*, 405-433.
1. **P.J. Alaimo**, D.S. Daniels, D.J. Pallin, A. Johnson, C. Volpe "MCAT Organic Chemistry" The Princeton Review MCAT Preparation Course, 1997.

**RESEARCH GRANTS & FUNDING****External research grants funded**

Research Corporation - Cottrell College Science Award (2008 – 2010)	\$43,218
<i>Enhancing diversity and improving stereoselectivity in the three-component synthesis of dihydropyridin-4-ones.</i>	
NSF - Major Research Instrumentation (MRI) Grant (2006 – 2009)	\$368,401
<i>Acquisition of a 400 MHz NMR spectrometer for research and research training at Seattle University.</i>	
Sherman Fairchild Foundation - Scientific Equipment Program (2005 – 2008)	\$497,230
(Institutional grant; Author of \$150K portion for LC-MS)	
Research Corporation - Cottrell College Science Award (2005 – 2007)	\$41,218
<i>Development of tandem indium(0)- / indium(III)-mediated heterocycle syntheses.</i>	

**Prior to Seattle University appointment**

American Cancer Society Postdoctoral Fellowship (2001 – 2003)	\$118,000
<i>Decoding phosphatidylinositol 3-kinase-mediated cellular signaling cascades.</i>	
Susan G. Komen Breast Cancer Foundation Postdoctoral Fellowship (2000)	\$35,000
<i>Decoding phosphatidylinositol 3-kinase-mediated cellular signaling cascades.</i>	

**Internal research grants funded**

Seattle University Provost's Office Assessment Grant (2009)	\$5,000
<i>Assessing the effectiveness of a novel pedagogical approach for teaching professional-style scientific writing to undergraduates.</i>	
Seattle University Provost's Office Assessment Grant (2008)	\$5,700
<i>Assessing the effectiveness of a novel pedagogical approach for teaching professional-style scientific writing to undergraduates.</i>	
Seattle University Summer Faculty Fellowship (2008)	\$7,014
<i>An environmentally benign method for synthesizing N-heterocycles.</i>	
College of Science & Engineering Dean's Summer Faculty Fellowship (2007)	\$6,633
<i>Synthesis of biologically important heterocycles using sustainable methods.</i>	
Bannan Foundation Equipment Award (2006)	\$26,819
<i>Acquisition of an organic solvent purification system.</i>	
Seattle University Summer Faculty Fellowship (2005)	\$6,265
<i>An environmentally benign method for synthesizing N-heterocycles.</i>	

**Other financial support obtained**

Gordon Research Conference Travel and Conference Award (2007)	\$1594
<i>Travel and registration for the GRC on Heterocyclic Compounds, Newport, RI</i>	
ACS Division of Organic Chemistry Travel Award (2007)	\$600
<i>Travel to the 234<sup>th</sup> ACS National Meeting, Boston, MA</i>	
Novartis Used Laboratory Equipment Donation (2006)	\$105,000

## PRESENTATIONS

### Invited Research Seminars

<u>Location</u>	<u>Department</u>	<u>Seminar Date</u>
18. Sonoma State University	Chemistry	Nov. 19, 2007
17. Willamette University	Chemistry	July 20, 2007
16. Seattle University	Chemistry	Jan. 15, 2004
15. UC Santa Barbara	Chemistry and Biochemistry	Jan. 8, 2004
14. Williams College	Chemistry	Jan. 5, 2004
13. Barnard College	Chemistry	Dec. 9, 2003
12. Oberlin College	Chemistry	Nov. 12, 2003
11. Grinnell College	Chemistry	Mar. 6, 2003
10. Vassar College	Chemistry	Jan. 31, 2003
9. Skidmore College	Chemistry	Dec. 16, 2002
8. College of Wooster	Chemistry	Dec. 6, 2002
7. Harvey Mudd College	Chemistry	Dec. 3, 2002
6. Washington and Jefferson College	Chemistry	Nov. 26, 2002
5. Mount Holyoke College	Chemistry	Nov. 19, 2002
4. Carleton College	Chemistry	Nov. 15, 2002
3. Randolph-Macon College	Chemistry	Nov. 12, 2002
2. Goucher College	Chemistry	Oct. 30, 2002
1. Grinnell College	Chemistry	July 14, 2000

### Contributed Research Presentations (undergraduate research collaborators underlined)

13. **P.J. Alaimo**, A.L. Marshall, C.E. Ottinger. *Efforts toward enantioselective aza-Diels-Alder reactions*. Contributed poster, 16<sup>th</sup> European Symposium on Organic Chemistry. (Prague, Czech Republic, July 2009)
12. J.A. Loertscher, **P.J. Alaimo**, J.M. Langenhan. *Novel pedagogical approach for teaching professional-style scientific writing to undergraduates*. Contributed seminar, 21<sup>st</sup> Biennial Conference on Chemical Education. (Bloomington, IN, July 2008)
11. **P.J. Alaimo**, J.M. Langenhan. *Professional development for undergraduate science students: Teaching and assessing professional scientific writing*. Contributed talk, 2008 National CASTL (Carnegie Academy for the Scholarship of Teaching and Learning) Institute: Developing scholars of teaching and learning. (Omaha, NE, June 2008)
10. **P.J. Alaimo**, J.M. Langenhan. *Teaching Professional Writing in an Organic Chemistry Laboratory by Abolishing the Lab Report*. Contributed talk, 9<sup>th</sup> Biennial International Writing Across the Curriculum Conference. (Austin, TX, May 2008)
9. **P.J. Alaimo**, R.V. O'Brien, A. Johnson, S. Slauson, J. O'Brien, E. Tyson, J. Chacon, L. Wallace, S. Connell. *Development of sustainable synthetic methods: Construction of 4-dihydropyridinones and  $\beta$ -amino esters by domino reactions in aqueous ethanol*. Poster ORGN 532, 234<sup>th</sup> ACS National Meeting. (Boston, MA Aug. 2007)
8. J.M. Langenhan, **P.J. Alaimo**, M. Tanner. *Chemical safety teams: an approach for teaching laboratory safety*. Poster CHED 98, 234<sup>th</sup> ACS National Meeting. (Boston, MA, Aug. 2007)

7. **P.J. Alaimo**, J.M. Langenhan, J. Loertscher. *Teaching students professional writing in organic chemistry lab courses*. Poster CHED 89, 234<sup>th</sup> ACS National Meeting. (Boston, MA, Aug. 2007)
6. **P.J. Alaimo**, R.V. O'Brien III, A. Johnson, S. Slauson, J. O'Brien, E. Tyson, J. Chacon, L. Wallace, S. Connell. *Sustainable synthetic methods: Construction of 4-dihydropyridinones by domino reactions in aqueous ethanol*. Poster, Gordon Research Conference on Heterocyclic Compounds. (Newport, RI, June 2007)

***Prior to Seattle University appointment***

5. **P.J. Alaimo**, Z.A. Knight, K.M. Shokat. *Progress Toward the Development of Allele-Specific Inhibitors of Phosphatidylinositol 3-Kinase*. Poster, 226<sup>th</sup> ACS National Meeting. (New York, NY, Sept. 2003)
4. **P.J. Alaimo**, Z.A. Knight, K.M. Shokat. *Using Chemical Genetics to Obtain Allele-Specific Inhibitors of Phosphatidylinositol 3-Kinase*. Poster, American Society for Cell Biology National Meeting. (San Francisco, CA, Dec. 2002)
3. **P.J. Alaimo**, Z.A. Knight, K.M. Shokat. *Using Chemical Genetics to Obtain Allele-Specific Inhibitors of Phosphatidylinositol 3-Kinase*. Poster, 18<sup>th</sup> Union of the International Cancer Congress, Cell Biology Division. (Oslo, Norway, July 2002)
2. **P.J. Alaimo**, R.G. Bergman. *Synthesis of Cationic Iridium(V) Complexes: Putative Intermediates on the C-H Activation Pathway*. Poster INOR 121, 216<sup>th</sup> ACS National Meeting. (Boston, MA, Aug. 1998)
1. **P.J. Alaimo**, B.A. Arndtsen, R.G. Bergman. *Using Carbon-Hydrogen Bond Activation for the Synthesis of Tertiary-Alkyl Iridium Complexes*. Seminar INOR 777, 213<sup>th</sup> ACS National Meeting. (San Francisco, CA, Apr. 1997)

***Invited Lectures (not research seminars)***

12. *Teaching Professional Writing in the Organic Chemistry Laboratory by Abolishing the Lab Report: Rethinking Writing and Learning in the Discipline of Chemistry*, SU Biology Department (June 2009)
11. *Teaching Professional Writing in an Organic Chemistry Laboratory by Abolishing the Lab Report: Rethinking Writing and Learning in the Discipline of Chemistry*, SU Teagle Assessment Grant: Writing in the Majors Project (May 2009)
10. *Fermentations and sensory science*, SU Bannan Scholars Program (May 2008)
9. *The science of winemaking*, SU Bannan Scholars Program (April 2007)
8. *How organic chemistry research accomplishes the SU mission*, SU Board of Trustees meeting (Feb. 2007)
7. *Writing initiatives in chemistry*, SU Writing Center 14<sup>th</sup> Annual Winter Workshop (Jan. 2007)
6. *Pursuing research at a primarily undergraduate institution*, Preparing Future Faculty Program, UC San Francisco (July 2006)
5. *Using electronic databases to locate chemical information*, Summer Undergraduate Research Program, Seattle University (July 2006)
4. *Advice for advisors: Ten things "I wish I knew when" about PUIs*, Department of Chemistry, University of Michigan (Jan. 26, 2006)
3. *The job talk: How to tailor your presentation for specific institutions*, Preparing Future Faculty Program, UC San Francisco. (Aug. 2004)

***Prior to Seattle University appointment***

2. *Preparing for your oral exams*, Graduate Program in Chemistry and Chemical

Biology, UC San Francisco (Feb. 2004)

1. *Preparing for your oral exams*, Graduate Program in Chemistry and Chemical Biology, UC San Francisco (Feb. 2003)

**Invited Panelist, Workshop or Discussion Leader**

15. *Characteristics of an effective mentor and tutor* panelist, Learning Center Tutoring Program, Seattle University (Apr. 2009)
14. *What is academia like at a 4-year college?* Panelist, HHMI Future Faculty Fellows Program. University of Washington, Seattle, WA (September 9, 2008)
13. *How to Involve Undergraduates in Research: Advice for Faculty.* Panelist, University of Central America, Managua, Nicaragua (June 26, 2008)
12. *Engaging Worlds: Human/Nature: What Does It Mean to Live in the Natural World?* Academic Day discussion leader, SU (Sept. 24, 2007)
11. *Symposium of the Professoriate* workshop leader, Preparing Future Faculty Program, UC San Francisco (July 2006)
10. *Characteristics of an effective mentor and tutor* panelist, Learning Center Tutoring Program, Seattle University (Apr. 2006)
9. *Preparation and guidance for an academic interview* panelist, Preparing Future Faculty in the Sciences Program, University of Michigan (Jan. 2006)
8. *Engaging Worlds: What does it mean to live in the world?* Academic Day discussion leader, SU (Sept. 18, 2006)
7. *Fine Arts Senior Synthesis* class panelist, Prof. K.E. Overbey, SU (Jan. 24, 2006)
6. *Forensics* class panelist, College of Law, Prof. J. Mitchell, SU (Jan. 30, 2006)
5. *Forensics* class panelist, College of Law, Prof. J. Mitchell, SU (Jan. 31, 2005)

**Prior to Seattle University appointment**

4. *Graduate student instructor video-training*, workshop leader, Dept. of Chemistry, UC Berkeley. (Fall 1997)
3. *Graduate student instructor training*, workshop leader, Dept. of Chemistry, UC Berkeley. (Aug. 1997)
2. *Graduate student instructor training*, workshop leader, Dept. of Chemistry, UC Berkeley. (Aug. 1996)
1. *Graduate student instructor training*, workshop leader, Dept. of Chemistry, UC Berkeley. (Aug. 1995)

**Research Presentations by Seattle University Undergraduates (2005-2009)**

Twenty-five oral and poster research presentations by sixteen students

- Three at ACS National Meetings in regular scientific (not student) sessions.
- Fourteen at external undergraduate research conferences including AAAS, Murdock, NCUR, and Local ACS meetings.
- Eight at Seattle University Undergraduate Research Conferences

**INTERNAL SERVICE*****Departmental Service***

Departmental Research Committee, member	(2009 – date)
Departmental Safety Committee, member	(2009 – date)
Academic advisor to ~15 students per year	(2004 – date)
Chemistry Department Annual Newsletter, creator and co-author	(2005 – date)
Chemistry Department Seminar Series, co-organizer	(2005 – 2009)
ACS Student Affiliates Chapter, faculty advisor	(2005 – 2009)
Chemistry Department Faculty Search Committee, member	(Fall 2004, 2005)
Benchmarking Seattle University's Chemistry Department, committee member	(2005)

***College Service***

Murdock Undergraduate Research Conference, college coordinator	(Nov. 2007)
Summer Undergraduate Research Program, co-director	(Summer 2006, 2007)
NMR Construction and Installation Coordinator	(2006-2007)
Fall Preview Day for prospective students, faculty representative	(Nov. 13, 2004)

***University Service***

Center for Excellence in Teaching and Learning, Strategic Inner Conclave	(2009-date)
ATC Certified (ATC 20-1) Post-earthquake Building Evaluator	(2007)
Bannan Science Building Phase I Construction Task Force	(2006-2008)
Lemieux Library & Learning Commons Schematic Design Task Force	(2006)
CETL Assistant Director Search, panel interviewer	(May 15, 2006)

**EXTERNAL SERVICE AND OUTREACH****Grant Proposal Reviewer (2006 – date)**

NSF Proposal Reviewer (CCLI, Phase I), Washington, D.C.	(July 10-11, 2008)
NSF Proposal Reviewer (MRI), Washington, D.C.	(May 5-6, 2008)
NSF Proposal Reviewer (CCLI, Phase I), Washington, D.C.	(July 12-13, 2007)
Research Corporation Proposal Reviewer, CCSA Program	(Dec. 2006)
NSF Proposal Reviewer (CCLI, Phase I), Washington, D.C.	(July 7-8, 2006)

**Manuscript Reviewer (2005 – date)**

<i>ACS Chemical Biology</i>	<i>Journal of Organic Chemistry</i>
<i>Bioorganic and Medicinal Chemistry</i>	<i>Letters in Organic Chemistry</i>
<i>Chemical Reviews</i>	<i>Molecular and Cellular Proteomics</i>
<i>Journal of the American Chemical Society</i>	<i>Organic Letters</i>
	<i>Organometallics</i>

**Program Reviewer**

AAMC fifth comprehensive review of the MCAT exam (MR5 project)	(Dec. 2009)
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**MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS**

American Chemical Society  
Council on Undergraduate Research